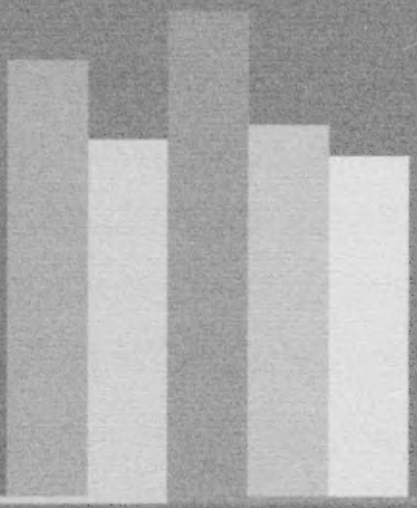


Alberta's occupational

demand and supply outlook

2015 - 2025

Disclaimer statement

Alberta Labour provides labour market information to assist both the government and the public in decision-making. Occupational demand and supply outlooks are affected by a variety of factors and will change over time. When making decisions based on forecasts, multiple sources of information should always be considered.

Work began on the Alberta Occupational Demand Outlook Model thirteen years ago. Currently, the model is able to forecast occupational demand for more than 250 occupations in Alberta.

In 2003, work began on the Alberta Occupational Supply Outlook Model, a counterpart model that helps forecast labour supply and possible supply and demand imbalances that may occur in the future.

Alberta Labour continues to enhance the demand and supply models' precision and encourages readers to provide advice and feedback by emailing LBR.LFSAnalyst@gov.ab.ca.

Overview

As part of the ongoing efforts to better understand and respond to future labour market needs, Alberta Labour contracted the Centre for Spatial Economics (C4SE) to forecast potential future occupational shortages or surpluses using Alberta's Occupational Demand and Supply models.

Demand and Supply models

Figure 1 provides an overview of the two models. These models forecast the demand and supply for different occupations in Alberta from 2016 to 2025. Each model can be broken down into sub-models. The Alberta Occupational Supply Outlook Model (AOSOM) has 30 linked sub-models and over 100,000 data series. The Alberta Occupational Demand Outlook Model (AODOM) has been used for the past thirteen years and has proven to be reliable. Once occupational demand and supply have been forecasted, the cumulative labour shortages are calculated to measure occupational imbalances (shortages or surpluses).

How they are used

Results from the two models help users make better decisions about developing and funding programs and policies as well as personal decisions about education, jobs and careers.

It should be noted that both of these models make forecasts and therefore carry assumptions that may change in the future. Hence, a labour shortage or surplus may not be as severe as the models predict. For example, as occupational demand and supply conditions change, individuals may decide to enter a field of study that reflects these current conditions and more people may be attracted to the province. The results of these models are intended as indicators of where the current situation in Alberta may lead in future years.

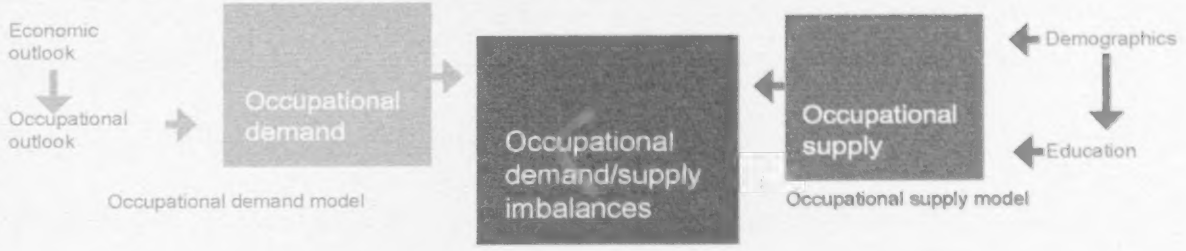
How labour shortages are estimated

There are different measures used to determine labour shortages. In this report, labour shortages are defined and estimated as net new job openings that are unfilled resulting from a change in employment less the change in labour supply. These are the new positions that are "hard to fill."

Model results and feedback

This year's findings of the two models are provided in this report. Alberta Labour believes that continued work on the development of the AOSOM will help to provide important information on labour market imbalances. Readers are encouraged to provide advice and feedback on the model's usefulness, construction and results. Please see Appendices A and B for a detailed view of the model's methodology and assumptions.

Figure 1: **An overview of the occupational demand and supply models**



Overall occupational outlook

Over the next ten years, Alberta's labour market is forecasted to grow by approximately 401,000 and a net increase of 352,000 workers is expected to join the labour force.

For the coming decade or by 2025, Alberta could experience a labour shortage of around 49,000[1] workers. Table 1 shows more detailed information about the overall occupational outlook. The numbers in the table represent the number of workers in Alberta.

Table 1[2]
Overall occupational demand and supply outlook for Alberta, 2015 - 2025

	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Demand (000s)	2,301	2,312	2,349	2,401	2,452	2,498	2,541	2,581	2,622	2,662	2,702
Labour supply (000s)	2,408	2,426	2,451	2,483	2,521	2,561	2,599	2,639	2,682	2,721	2,760
Annual shortage		-6,378	12,152	19,635	12,014	6,766	4,127	1,202	-2,150	750	416
Cumulative shortage		-6,378	5,774	25,409	37,423	44,189	48,316	49,518	47,368	48,125	48,541

Appendices C and D list occupational demand and supply outlooks, along with forecasted imbalances, for 127 occupations at the 3-digit NOC-S[3] and 286 occupations at the 4-digit NOC-S.

[1] This number is likely to change because the demand and supply models used for the forecasts carry assumptions that may change in the future.
[2] Labour shortage = (Demand [year t+1] – Demand [year t]) – (Supply [year t+1] – Supply [year t]). A negative forecast indicates a surplus and a positive number indicates a shortage.
[3] NOC-S: National Occupational Classification – Statistics, link:
www.statcan.gc.ca/subjects-sujets/standard-norme/soc-cnp/2006/noc2006-cnp2006-menu-eng.htm

Appendix A

Alberta occupational demand and supply outlook models' methodologies

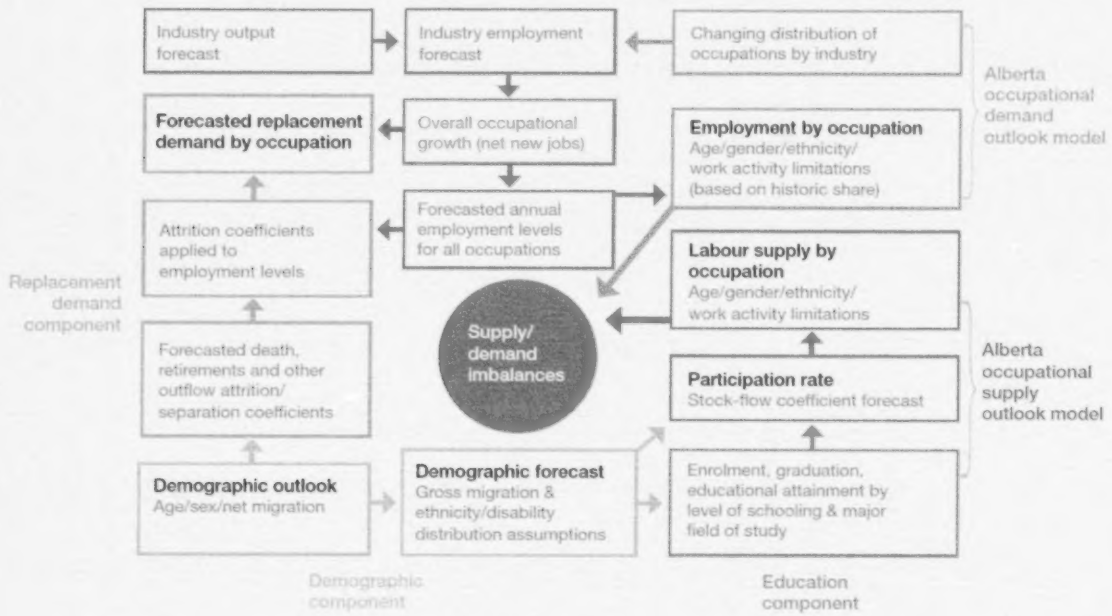
Figure 2 provides a detailed view of how occupational demand and supply imbalances are forecasted.

Two main components in the Alberta Occupational Demand Outlook Model (AODOM) are the economic and occupational components. The economic component produces an outlook of Alberta's economy. Once the performance of the economy is forecasted, the occupational component calculates the employment that is required to maintain the forecasted growth.

The Alberta Occupational Supply Outlook Model (AOSOM) makes occupational supply forecasts with a series of changes that begin with a demographic outlook and end with occupational supply for occupations.

The model has three major components: demographic, education and replacement demand. Education has a central importance in this model because of its role in training the labour force.

Figure 2: A detailed view of the Alberta Occupational Supply and Demand Outlook models


Industry output forecast
Industry employment forecast
Changing distribution of occupations by industry
Alberta occupational demand outlook model
Forecasted replacement demand by occupation
Overall occupational growth (net new jobs)
Employment by occupation
Age/gender/ethnicity/ work activity limitations (based on historic share)
Attrition coefficients applied to employment levels
Forecasted annual employment levels for all occupations
Replacement demand component
Labour supply by occupation
Age/gender/ethnicity/ work activity limitations
Supply/ demand imbalances
Forecasted death, retirements and other outflow attrition/ separation coefficients
Participation rate
Stock-flow coefficient forecast
Alberta occupational supply outlook model
Demographic outlook
Age/sex/net migration
Demographic forecast
Gross migration & ethnicity/disability distribution assumptions
Enrolment, graduation, educational attainment by level of schooling & major field of study
Demographic component
Education component

Appendix B

Alberta occupational supply outlook model assumptions

As with all forecasts, a number of assumptions[4] are used to derive the results. The model can utilize different assumptions to test various economic scenarios. The assumptions used to generate the results in Appendix C & D are set out below.

Alberta's key economic indicators

- The average annual[5] growth rate for the Gross Domestic Product (GDP) is 2.4%.
- The average annual unemployment rate is 4.8%.
- The average annual employment growth rate is 1.6%.
- The average annual participation rate is 71.7%.

Demographic component

Population levels by age and gender groups are determined by a detailed population forecast by single year age cohorts. Total population averages 1.6% growth over 2015 - 2025.

Migration

- The level of net migration equals the forecasted levels of in-migration less out-migration.
- Age and gender distributions for in-migration and out-migration are determined by the historic age and gender distribution for net migration.
- Future immigrants by education type have their historic distribution and experience similar occupational outcomes as existing residents of Alberta.

Aboriginals

- The Alberta aboriginal population's age specific birth and death rates are the similar to Canadian aboriginal population's rates and adjusted to reflect the most recent long-term population projections for Aboriginals for Alberta.

Visible minorities

- The visible minorities' age/gender birth and death rates are equal to the Alberta general population's birth and death rates.
- The visible minorities' less than 15 years old age groups (less than 1, 1-3, 4-9, 10-15 years) are assumed to have the same distributions as the Alberta younger age groups.

Activity limitations

To calculate the number of people with activity limitations, a share approach by age and gender was used.[6]

Education component

Enrolment & graduation

- The number of people who attend school is calculated as a share of the total number in that age or gender group. This proportion is based on historic shares.
- The secondary school enrolment rates for males and females over the forecast follow the historic trends from 2002-2003 to 2013-2014.
- Enrolment rates for post-secondary institutions over the forecast were kept constant at the 2013-2014 school year rates.
- Graduation rates are determined by level of schooling, field of study, age and gender. Graduation rates are calculated as a share of those who could potentially graduate and are kept constant over the forecast period.
- The overall number of university, college, vocational and trades graduates is determined by applying the graduate rate to the different age groups who are enrolled in that institution and could potentially graduate.
- Dropout rates and mature student rates are used for the different fields of study and level of schooling.
- Migration rates by educational attainment are allowed to adjust to reflect relative demand conditions in Alberta.

[4] Based on the Treasury Board and Finance budget assumptions for the October 2015 Alberta Government
[5] The average annual data is for the period 2015 – 2025
[6] Share approach: A method to estimate the future number of people in a group of interest. The proportion of the group of interest to the general population is applied to the forecasted general population estimates to find the predicted group of interest's population. Example:

$$\left[\frac{\text{Activity limitations}}{\text{Alberta population}}\right]_t \times \text{Alberta population forecast}_{t+1} = \text{Activity limitation population}_{t+1}$$

The proportion at time t — *Is multiplied by the forecasted Alberta Population for time t+1* — *To find the forecasted number of people with activities limitations for time t+1*

Educational attainment

- To calculate the number of people with university, college, vocational and trades, and high school education, a stock-flow approach[7] is used.
- Those with less than a high school education are determined to be those not already accounted for in other educational attainment categories.
- Less than high school educational attainment is adjusted to reflect the estimated portion of mature students in post-secondary institutions that do not have a high school diploma. High school educational attainment is also adjusted to subtract recent graduates from university, college and vocational and trades.
- The overall enrolment rate for mature students is used for all age groups within the mature student category.
- To forecast educational attainment by field of study, the historic relative enrolment rate for each age and sex cohort is maintained over the forecast period.
- The share of new graduates by field of study for each age, sex group is constant over time.
- Educational attainment is based on the new graduate forecast plus net inflows from migration less deaths.

Replacement demand component

- Retirement rates are derived from Alberta Labour Force Survey (LFS) data, at a fairly aggregate occupational level.
- Retirement by occupation uses the age distribution in that occupation given by the census. As people working in a specific occupation enter older age cohorts a larger share will retire. Age specific retirement rates rise over time to the long-term trend toward falling median retirement ages.
- Other labour force separation rates are derived from the Alberta LFS data at the major group level of aggregation. These separation rates are kept constant over the forecast period.
- Emigration, out-migration and death rates are assumed to be the same for those employed as the general population for a particular age/gender group.

Occupational component

- Potential occupational supply is determined over the historical period by the historical distribution of occupation by educational attainment—four levels of schooling and 46 post-secondary fields of study.
- Over the forecast period, the distribution of occupation by educational attainment will adjust to changes in relative occupation to educational demand at a pace that is consistent with differences in occupational separation rates.
- Potential occupational supply is translated into actual occupational supply by using historic participation rates by occupation. Over the forecast period, occupational participation rates adjust to reflect changes in relative occupational demand.

[7] *Stock-Flow Approach: A method in estimating the future population of people in a group of interest. To find the forecasted population, the population from the previous year is adjusted to add those expected to enter that group and subtract those that are expected to leave that group. Example:*

$$\text{Number of people with college/trades training}_{t+1} = \text{Number of people with college/trades training}_{t} + \text{Recent graduates of college/trades}_{t+1} - \text{People leaving group due to death, retirement, etc.}_{t+1}$$

Appendix C

Results of Alberta's Occupational Demand and Supply for 3-Digit NOC-S Occupations, 2015-2025

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
All Occupations											
Demand Projection	2,301,000	2,312,359	2,349,364	2,401,114	2,451,633	2,498,285	2,540,730	2,581,289	2,622,472	2,661,773	2,701,599
Labour Supply Projection	2,408,000	2,425,737	2,450,590	2,482,705	2,521,210	2,561,096	2,599,414	2,638,771	2,682,104	2,720,648	2,760,058
Cumulative Shortage*		-6378	5773	25,409	37,423	44,190	48,315	49,518	47,367	48,125	48,540
A01 - Legislators and senior management **											
Demand Projection	4,949	4,920	4,975	5,065	5,159	5,236	5,304	5,369	5,433	5,491	5,557
Labour Supply Projection	4,945	4,926	4,934	4,943	4,984	4,999	5,004	4,997	4,988	4,959	4,944
Cumulative Shortage*		-9	37	118	171	233	296	368	440	527	608
A11 - Administrative services managers											
Demand Projection	11,006	11,030	11,186	11,401	11,616	11,804	11,978	12,139	12,299	12,444	12,610
Labour Supply Projection	11,600	11,702	11,842	12,009	12,198	12,385	12,554	12,717	12,890	13,034	13,177
Cumulative Shortage*		-78	-62	-14	12	14	18	15	3	4	27
A12 - Managers in engineering, architecture, science and information systems											
Demand Projection	14,657	14,744	15,003	15,292	15,567	15,820	16,028	16,214	16,401	16,574	16,771
Labour Supply Projection	14,830	14,977	15,156	15,369	15,607	15,838	16,040	16,228	16,422	16,574	16,721
Cumulative Shortage*		-61	20	95	132	155	161	159	151	173	222
A13 - Sales, marketing and advertising managers											
Demand Projection	10,271	10,319	10,513	10,742	10,967	11,156	11,313	11,449	11,589	11,707	11,853
Labour Supply Projection	11,001	11,075	11,189	11,330	11,492	11,654	11,801	11,945	12,098	12,224	12,363
Cumulative Shortage*		-26	54	142	205	232	242	234	221	213	220
A14 - Facility operation and maintenance managers **											
Demand Projection	4,794	4,820	4,899	5,000	5,097	5,179	5,252	5,315	5,383	5,440	5,506
Labour Supply Projection	4,845	4,863	4,904	4,956	5,019	5,083	5,143	5,204	5,271	5,328	5,388
Cumulative Shortage*		9	47	95	130	147	160	163	164	164	170
A21 - Managers in retail trade											
Demand Projection	29,852	30,016	30,598	31,320	32,060	32,723	33,300	33,791	34,320	34,791	35,355
Labour Supply Projection	30,402	30,572	30,895	31,297	31,772	32,260	32,725	33,201	33,722	34,185	34,661
Cumulative Shortage*		-6	253	574	838	1014	1125	1140	1148	1156	1245
A22 - Managers in food service and accommodation											
Demand Projection	23,199	23,711	24,133	24,799	25,268	25,904	26,231	26,709	27,006	27,477	27,810
Labour Supply Projection	23,525	23,643	23,890	24,198	24,567	24,946	25,310	25,683	26,094	26,461	26,838
Cumulative Shortage*		394	569	927	1028	1285	1247	1352	1239	1343	1299
A30 - Managers in financial and business services											
Demand Projection	8,598	8,635	8,719	8,884	9,034	9,137	9,276	9,364	9,441	9,477	9,567
Labour Supply Projection	8,700	8,744	8,816	8,909	9,019	9,128	9,226	9,319	9,420	9,500	9,581
Cumulative Shortage*		-7	5	77	118	111	153	147	123	79	88

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
A32 - Managers in health, education, social and community services											
Demand Projection	15,141	15,523	15,874	16,265	16,624	16,979	17,406	17,768	18,153	18,500	18,810
Labour Supply Projection	15,305	15,539	15,828	16,150	16,491	16,825	17,146	17,452	17,765	18,031	18,206
Cumulative Shortage*		147	210	279	297	317	423	479	552	633	767
A33 - Managers in public administration**											
Demand Projection	4,300	4,291	4,245	4,262	4,271	4,286	4,300	4,361	4,375	4,438	4,501
Labour Supply Projection	4,332	4,347	4,367	4,395	4,427	4,456	4,475	4,489	4,515	4,526	4,535
Cumulative Shortage*		-25	-90	-101	-125	-139	-143	-96	-108	-56	-2
A34 - Managers in art, culture, recreation & sport **											
Demand Projection	1,401	1,414	1,436	1,469	1,500	1,526	1,551	1,571	1,594	1,614	1,634
Labour Supply Projection	1,400	1,418	1,440	1,464	1,490	1,517	1,540	1,563	1,587	1,607	1,628
Cumulative Shortage*		-4	-4	5	9	9	10	8	7	6	5
A36 - Managers in other services **											
Demand Projection	2,601	2,628	2,677	2,743	2,803	2,855	2,903	2,939	2,979	3,013	3,048
Labour Supply Projection	2,600	2,605	2,624	2,649	2,680	2,712	2,741	2,771	2,805	2,833	2,862
Cumulative Shortage*		21	52	93	123	142	161	167	173	179	185
A37 - Managers in construction and transportation											
Demand Projection	35,411	33,499	33,404	34,084	35,094	35,845	36,448	36,904	37,338	37,783	38,121
Labour Supply Projection	35,900	35,803	35,839	35,963	36,153	36,343	36,497	36,669	36,903	37,044	37,224
Cumulative Shortage*		-1815	-1946	-1390	-570	-9	440	725	923	1228	1386
A38 - Managers in primary production (except agriculture)											
Demand Projection	8,393	8,459	8,551	8,639	8,716	8,791	8,886	9,013	9,166	9,288	9,451
Labour Supply Projection	8,800	8,796	8,835	8,900	8,986	9,077	9,165	9,253	9,354	9,437	9,520
Cumulative Shortage*		70	123	147	138	121	129	167	219	258	338
A39 - Managers in manufacturing and utilities **											
Demand Projection	8,101	8,126	8,346	8,489	8,622	8,765	8,811	8,855	8,894	8,910	8,960
Labour Supply Projection	8,300	8,313	8,355	8,420	8,500	8,581	8,653	8,726	8,808	8,869	8,931
Cumulative Shortage*		12	191	268	321	382	357	328	286	240	229
B01 - Auditors, accountants and investment professionals											
Demand Projection	48,849	49,071	49,696	50,584	51,409	52,115	52,835	53,433	54,002	54,459	55,101
Labour Supply Projection	50,201	50,737	51,370	52,121	52,958	53,782	54,517	55,212	55,936	56,520	57,095
Cumulative Shortage*		-312	-321	-184	-197	-315	-329	-427	-581	-708	-642
B02 - Human resources and business service professionals											
Demand Projection	26,918	27,085	27,506	28,038	28,540	29,009	29,418	29,799	30,167	30,528	30,924
Labour Supply Projection	28,203	28,610	29,092	29,640	30,237	30,825	31,364	31,882	32,417	32,873	33,325
Cumulative Shortage*		-239	-300	-316	-411	-531	-660	-796	-964	-1060	-1116

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
B11 - Finance and insurance administrative occupations											
Demand Projection	47,482	47,531	48,132	49,143	50,115	50,883	51,673	52,275	52,858	53,326	53,933
Labour Supply Projection	48,614	48,907	49,412	50,055	50,816	51,599	52,341	53,092	53,911	54,632	55,373
Cumulative Shortage*		-245	-149	219	431	416	463	314	78	-175	-309
B21 - Secretaries, recorders and transcriptionists											
Demand Projection	13,558	13,737	13,998	14,356	14,706	15,059	15,425	15,791	16,178	16,560	16,915
Labour Supply Projection	13,701	13,856	14,088	14,359	14,669	14,992	15,311	15,642	16,001	16,341	16,695
Cumulative Shortage*		24	52	141	180	210	257	292	319	361	363
B31 - Administrative and regulatory occupations											
Demand Projection	55780	55922	56584	57614	58617	59499	60370	61201	61999	62750	63598
Labour Supply Projection	57716	58139	58767	59555	60473	61409	62285	63158	64103	64920	65754
Cumulative Shortage*		-281	-247	-5	80	27	21	-21	-168	-233	-220
B41 - Clerical supervisors											
Demand Projection	19948	20091	20385	20779	21154	21444	21727	21962	22214	22410	22662
Labour Supply Projection	20802	20898	21091	21343	21647	21962	22261	22567	22903	23199	23503
Cumulative Shortage*		47	148	290	361	336	321	250	164	65	13
B51 - Clerical occupations, general office skills											
Demand Projection	37561	38198	38953	39966	40934	41956	43000	44106	45285	46457	47574
Labour Supply Projection	38853	39291	39945	40706	41578	42480	43369	44287	45281	46218	47191
Cumulative Shortage*		200	300	552	649	769	924	1112	1297	1532	1675
B52 - Office equipment operators											
Demand Projection	6446	6492	6590	6721	6846	6963	7074	7183	7293	7396	7510
Labour Supply Projection	7184	7227	7307	7407	7526	7649	7768	7890	8025	8146	8273
Cumulative Shortage*		3	20	52	58	52	44	30	5	-13	-25
B53 - Finance and insurance clerks											
Demand Projection	36438	36529	36969	37685	38377	38934	39528	40013	40485	40859	41355
Labour Supply Projection	37602	37809	38174	38643	39203	39780	40326	40879	41485	42015	42563
Cumulative Shortage*		-117	-40	206	338	318	366	298	164	8	-45
B54 - Administrative support clerks											
Demand Projection	28313	28881	29446	30201	30914	31704	32522	33451	34425	35430	36374
Labour Supply Projection	30902	31369	31992	32697	33483	34287	35071	35868	36717	37513	38335
Cumulative Shortage*		102	44	94	21	7	41	173	298	507	629
B55 - Library, correspondence and related information clerks											
Demand Projection	14758	14840	15055	15353	15638	15897	16117	16319	16512	16699	16915
Labour Supply Projection	15626	15703	15856	16054	16292	16538	16774	17015	17282	17518	17761
Cumulative Shortage*		5	68	167	215	227	212	172	99	49	23

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
B56 - Mail and message distribution occupations											
Demand Projection	11704	11912	12158	12453	12727	12925	13117	13228	13406	13514	13628
Labour Supply Projection	12401	12444	12565	12724	12922	13131	13340	13561	13810	14041	14279
Cumulative Shortage*		165	290	426	502	491	474	364	292	170	46
B57 - Recording, scheduling and distributing occupations											
Demand Projection	30503	30713	31304	31975	32637	33186	33648	34051	34498	34866	35315
Labour Supply Projection	32902	33043	33376	33805	34330	34882	35426	35996	36632	37216	37818
Cumulative Shortage*		70	328	569	707	704	622	454	265	51	-103
C01 - Physical science professionals**											
Demand Projection	4407	4452	4519	4590	4654	4712	4770	4836	4904	4967	5043
Labour Supply Projection	4501	4537	4575	4640	4706	4767	4820	4877	4934	4977	5018
Cumulative Shortage*		9	37	43	41	38	43	52	63	84	118
C02 - Life science professionals **											
Demand Projection	3342	3364	3407	3469	3525	3575	3618	3664	3699	3743	3789
Labour Supply Projection	3342	3368	3393	3424	3459	3512	3550	3595	3641	3675	3709
Cumulative Shortage*		-3	15	46	66	63	69	69	59	69	81
C03 -Civil, mechanical, electrical and chemical engineers											
Demand Projection	28533	28579	29075	29626	30159	30658	31024	31349	31654	31956	32301
Labour Supply Projection	30507	31392	31681	32092	32538	32983	33399	33777	34162	34461	34762
Cumulative Shortage*		-838	-632	-491	-404	-350	-401	-453	-534	-530	-486
C04 - Other engineers											
Demand Projection	21437	21620	21960	22311	22630	22918	23192	23478	23790	24061	24401
Labour Supply Projection	22987	23273	23495	23765	24069	24359	24601	24817	25096	25289	25486
Cumulative Shortage*		-103	15	96	111	109	142	211	244	322	465
C05 - Architects, urban planners and land surveyors											
Demand Projection	6604	6606	6680	6800	6914	7013	7093	7173	7230	7308	7389
Labour Supply Projection	7096	7113	7138	7181	7237	7292	7336	7378	7424	7451	7478
Cumulative Shortage*		-15	34	111	168	213	249	286	298	348	402
C07 - Computer and information systems professionals											
Demand Projection	36211	36459	37089	37839	38544	39184	39727	40194	40646	41081	41565
Labour Supply Projection	37001	37325	37657	38082	38577	39065	39488	39883	40301	40617	40928
Cumulative Shortage*		-76	222	546	756	908	1028	1101	1134	1254	1426
C11 - Technical occupations in physical sciences											
Demand Projection	8775	8857	8989	9122	9239	9338	9439	9554	9680	9786	9927
Labour Supply Projection	9264	9318	9384	9473	9581	9690	9786	9878	9979	10057	10136
Cumulative Shortage*		28	94	137	147	138	142	165	189	217	279

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C12 - Technical occupations in life sciences **											
Demand Projection	3397	3411	3439	3492	3538	3576	3608	3648	3673	3710	3750
Labour Supply Projection	3457	3475	3496	3525	3562	3599	3631	3662	3696	3721	3747
Cumulative Shortage*		-4	3	26	35	36	37	46	37	48	63
C13 - Technical occupations in civil, mechanical and industrial engineering											
Demand Projection	10707	10557	10681	10892	11124	11306	11444	11562	11665	11772	11883
Labour Supply Projection	11501	11821	11902	12027	12168	12307	12430	12548	12676	12772	12875
Cumulative Shortage*		-470	-426	-341	-251	-207	-192	-193	-217	-207	-198
C14 - Technical occupations in electronics and electrical engineering											
Demand Projection	18797	18749	19037	19415	19802	20132	20405	20647	20896	21116	21368
Labour Supply Projection	19741	19793	19871	20000	20168	20341	20491	20636	20800	20916	21034
Cumulative Shortage*		-100	111	360	579	735	858	955	1041	1144	1278
C15 - Technical occupations in architecture, drafting and surveying											
Demand Projection	13531	13530	13755	14036	14310	14540	14713	14862	14991	15127	15279
Labour Supply Projection	14102	14200	14307	14448	14614	14781	14926	15064	15213	15325	15437
Cumulative Shortage*		-100	19	160	267	331	357	368	349	373	413
C16 - Other technical inspectors and regulatory officers											
Demand Projection	17,891	17,737	17,919	18,230	18,560	18,837	19,070	19,302	19,520	19,739	19,977
Labour Supply Projection	19,182	19,243	19,339	19,487	19,675	19,868	20,042	20,213	20,405	20,552	20,701
Cumulative Shortage*		-216	-130	33	175	259	319	380	405	478	566
C17 - Transportation officers and controllers **											
Demand Projection	3,803	3,876	3,956	4,051	4,138	4,201	4,263	4,298	4,356	4,390	4,425
Labour Supply Projection	3,805	3,812	3,823	3,845	3,876	3,908	3,936	3,964	3,996	4,018	4,042
Cumulative Shortage*		66	135	208	264	295	328	335	362	373	385
C18 - Technical occupations in computer and information systems											
Demand Projection	13,625	13,718	13,939	14,209	14,465	14,689	14,894	15,062	15,230	15,378	15,548
Labour Supply Projection	14,175	14,276	14,400	14,561	14,750	14,940	15,109	15,271	15,445	15,583	15,722
Cumulative Shortage*		-8	90	199	265	299	336	341	335	345	376
D01 - Physicians, dentists and veterinarians											
Demand Projection	16610	17208	17705	18317	18897	19590	20323	21155	22063	22991	23822
Labour Supply Projection	16,625	17,184	17,813	18,492	19,210	19,926	20,613	21,293	21,995	22,657	23,330
Cumulative Shortage*		40	-92	-160	-297	-320	-274	-123	84	349	508
D02 - Optometrists, chiropractors and other health diagnosing and treating professionals **											
Demand Projection	1,810	1,884	1,942	2,013	2,081	2,165	2,255	2,359	2,474	2,592	2,697
Labour Supply Projection	1,921	1,987	2,061	2,140	2,224	2,308	2,388	2,467	2,549	2,627	2,705
Cumulative Shortage*		9	-8	-16	-31	-31	-21	3	37	77	103

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
D03 - Pharmacists, dietitians and nutritionists **											
Demand Projection	6,201	6,336	6,494	6,686	6,877	7,085	7,290	7,508	7,747	7,985	8,214
Labour Supply Projection	6,200	6,367	6,548	6,745	6,954	7,160	7,353	7,541	7,735	7,911	8,087
Cumulative Shortage*		-32	-55	-60	-78	-76	-64	-34	11	73	126
D04 - Therapy and assessment professionals **											
Demand Projection	9,694	10,082	10,384	10,755	11,106	11,532	11,995	12,519	13,098	13,683	14,206
Labour Supply Projection	9,800	10,125	10,491	10,885	11,302	11,718	12,118	12,514	12,923	13,308	13,699
Cumulative Shortage*		63	-1	-24	-89	-79	-17	112	281	481	613
D11 - Nurse supervisors and registered nurses											
Demand Projection	48,101	50,081	51,606	53,511	55,318	57,537	59,920	62,686	65,733	68,848	71,624
Labour Supply Projection	48,302	49,901	51,534	53,305	55,195	57,097	58,941	60,783	62,701	64,523	66,390
Cumulative Shortage*		381	272	407	324	641	1179	2104	3233	4526	5434
D21 - Medical technologists and technicians (except dental health)											
Demand Projection	14,626	15,152	15,593	16,137	16,651	17,265	17,913	18,650	19,457	20,281	21,020
Labour Supply Projection	14,651	14,946	15,308	15,708	16,142	16,582	17,007	17,432	17,878	18,295	18,724
Cumulative Shortage*		231	311	454	535	709	931	1244	1604	2011	2322
D22 - Technical occupations in dental health care **											
Demand Projection	4,103	4,242	4,374	4,520	4,658	4,813	4,970	5,154	5,356	5,556	5,742
Labour Supply Projection	4,100	4,196	4,309	4,434	4,568	4,703	4,832	4,961	5,096	5,221	5,349
Cumulative Shortage*		44	62	84	88	107	136	191	258	333	390
D23 - Other technical occupations in health care (except dental)											
Demand Projection	19,345	20,063	20,643	21,374	22,068	22,901	23,788	24,806	25,927	27,067	28,092
Labour Supply Projection	19,476	19,776	20,167	20,612	21,104	21,606	22,092	22,579	23,097	23,579	24,076
Cumulative Shortage*		419	607	893	1094	1425	1827	2358	2961	3619	4147
D31 - Assisting occupations in support of health services											
Demand Projection	37,014	38,447	39,601	41,039	42,406	44,058	45,817	47,839	50,070	52,340	54,376
Labour Supply Projection	38,003	39,083	39,992	41,063	42,246	43,468	44,687	45,945	47,294	48,602	49,974
Cumulative Shortage*		353	598	964	1149	1579	2119	2883	3764	4727	5391
E01 - Judges, lawyers and Quebec notaries											
Demand Projection	9,311	9,360	9,507	9,695	9,869	10,027	10,153	10,267	10,360	10,471	10,589
Labour Supply Projection	9,600	9,763	9,923	10,098	10,302	10,510	10,688	10,845	11,002	11,124	11,248
Cumulative Shortage*		-114	-127	-113	-144	-194	-246	-289	-354	-364	-370
E02 - Psychologists, social workers, counsellors, clergy and probation officers											
Demand Projection	22,690	23,331	23,864	24,588	25,266	26,040	26,864	27,789	28,788	29,808	30,733
Labour Supply Projection	22,900	23,423	24,041	24,712	25,472	26,199	26,874	27,597	28,311	28,966	29,618
Cumulative Shortage*		119	33	86	4	52	201	403	687	1053	1325

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
E03 - Policy and program officers, researchers and consultants											
Demand Projection	19,526	19,722	19,980	20,348	20,684	21,026	21,351	21,701	22,016	22,363	22,712
Labour Supply Projection	20,456	20,809	21,204	21,650	22,134	22,614	23,057	23,485	23,929	24,314	24,698
Cumulative Shortage*		-157	-294	-372	-519	-658	-775	-854	-983	-1021	-1055
E11 - University professors and assistants											
Demand Projection	12,379	12,594	12,837	13,034	13,209	13,306	13,491	13,498	13,488	13,402	13,321
Labour Supply Projection	13,001	13,217	13,323	13,445	13,589	13,726	13,839	13,939	14,049	14,119	14,190
Cumulative Shortage*		-1	135	209	241	201	273	180	61	-96	-247
E12 - College and other vocational instructors											
Demand Projection	13,200	13,402	13,644	13,886	14,105	14,264	14,482	14,579	14,666	14,700	14,739
Labour Supply Projection	13,801	14,002	14,169	14,364	14,584	14,800	14,990	15,171	15,360	15,509	15,657
Cumulative Shortage*		1	77	123	122	66	93	9	-92	-208	-317
E13 - Secondary and elementary school teachers and educational counsellors											
Demand Projection	48,182	49,017	49,964	50,751	51,435	51,806	52,513	52,517	52,453	52,088	51,745
Labour Supply Projection	50,303	51,214	51,820	52,521	53,303	54,058	54,703	55,297	55,912	56,365	56,807
Cumulative Shortage*		-76	265	351	253	-131	-68	-659	-1338	-2156	-2941
E21 - Paralegals, social services and occupations in education and religion, n.e.c.											
Demand Projection	47,348	48,761	49,997	51,557	53,021	54,692	56,465	58,407	60,510	62,646	64,571
Labour Supply Projection	49,521	50,278	51,301	52,462	53,757	55,083	56,377	57,690	59,088	60,396	61,738
Cumulative Shortage*		656	869	1268	1438	1782	2261	2890	3596	4423	5007
F02 - Writing, translating and public relations professionals											
Demand Projection	12,531	12,638	12,828	13,085	13,323	13,542	13,747	13,925	14,106	14,275	14,452
Labour Supply Projection	13,269	13,500	13,747	14,023	14,321	14,616	14,887	15,146	15,414	15,643	15,870
Cumulative Shortage*		-124	-181	-199	-260	-336	-401	-483	-570	-630	-680
F03 - Creative and performing artists											
Demand Projection	8,508	8,622	8,778	8,958	9,122	9,244	9,391	9,460	9,539	9,577	9,620
Labour Supply Projection	8,901	9,018	9,168	9,343	9,537	9,734	9,919	10,103	10,298	10,470	10,644
Cumulative Shortage*		-3	3	8	-22	-97	-136	-250	-365	-500	-631
F11 - Technical occupations in libraries, archives, museums and art galleries **											
Demand Projection	2,504	2,532	2,571	2,624	2,672	2,708	2,750	2,774	2,801	2,819	2,838
Labour Supply Projection	2,600	2,634	2,677	2,726	2,781	2,835	2,887	2,937	2,991	3,037	3,085
Cumulative Shortage*		-7	-10	-6	-13	-31	-41	-67	-94	-123	-151
F12 - Photographers, graphic arts technicians and technical and co-ordinating occupations in motion pictures, broadcasting and the performing arts **											
Demand Projection	2,803	2,827	2,878	2,946	3,009	3,062	3,110	3,146	3,185	3,218	3,254
Labour Supply Projection	2,935	2,969	3,014	3,067	3,126	3,186	3,243	3,300	3,360	3,413	3,467
Cumulative Shortage*		-11	-5	10	14	7	-2	-23	-44	-63	-81

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
F14 - Creative designers and craftspersons											
Demand Projection	9,852	9,908	10,108	10,337	10,555	10,730	10,868	10,978	11,085	11,181	11,295
Labour Supply Projection	10,050	10,175	10,336	10,522	10,730	10,941	11,139	11,336	11,543	11,727	11,913
Cumulative Shortage*		-70	-30	12	23	-13	-74	-160	-261	-349	-420
F15 - Athletes, coaches, referees and related occupations											
Demand Projection	14,388	14,544	14,763	15,078	15,366	15,603	15,854	16,035	16,228	16,386	16,545
Labour Supply Projection	15,360	15,445	15,621	15,843	16,111	16,389	16,661	16,943	17,254	17,539	17,830
Cumulative Shortage*		71	114	207	228	187	166	65	-54	-181	-312
G01 - Sales and service supervisors											
Demand Projection	49,870	50,379	51,341	52,579	53,732	54,869	55,763	56,612	57,420	58,245	59,113
Labour Supply Projection	51,696	51,906	52,421	53,116	53,978	54,885	55,788	56,743	57,803	58,781	59,795
Cumulative Shortage*		299	746	1289	1581	1811	1801	1696	1444	1291	1145
G11 - Sales representatives, wholesale trade											
Demand Projection	30,420	30,634	31,251	31,963	32,670	33,270	33,775	34,207	34,674	35,071	35,556
Labour Supply Projection	31,603	31,914	32,361	32,913	33,557	34,221	34,870	35,537	36,252	36,906	37,579
Cumulative Shortage*		-97	73	234	297	232	88	-146	-395	-652	-840
G12 - Technical sales specialists, wholesale trade											
Demand Projection	16,872	16,938	17,267	17,635	18,009	18,331	18,596	18,832	19,085	19,301	19,570
Labour Supply Projection	17,204	17,391	17,600	17,863	18,170	18,487	18,788	19,090	19,409	19,688	19,972
Cumulative Shortage*		-121	-2	104	170	176	139	73	8	-55	-70
G13 - Insurance and real estate sales occupations and buyers											
Demand Projection	16,605	16,625	16,740	17,057	17,355	17,532	17,821	17,981	18,124	18,156	18,320
Labour Supply Projection	17,011	17,129	17,275	17,475	17,722	17,981	18,228	18,478	18,749	18,983	19,224
Cumulative Shortage*		-98	-129	-12	39	-43	-1	-91	-218	-420	-497
G21 - Retail salespersons and sales clerks											
Demand Projection	59,220	59,570	60,742	62,173	63,647	64,980	66,134	67,128	68,197	69,156	70,305
Labour Supply Projection	63,650	63,989	64,656	65,543	66,642	67,802	68,963	70,195	71,563	72,837	74,159
Cumulative Shortage*		10	516	1060	1435	1608	1601	1363	1064	749	576
G31 - Cashiers											
Demand Projection	36,294	36,651	37,362	38,280	39,150	40,015	40,687	41,333	41,958	42,591	43,268
Labour Supply Projection	38,146	38,227	38,589	39,095	39,763	40,495	41,258	42,099	43,067	44,006	44,981
Cumulative Shortage*		277	625	1036	1239	1372	1281	1086	743	437	139
G41 - Chefs and cooks											
Demand Projection	30,001	30,700	31,274	32,156	32,803	33,665	34,168	34,868	35,371	36,079	36,611
Labour Supply Projection	31,301	31,455	31,777	32,225	32,807	33,442	34,103	34,826	35,652	36,451	37,277
Cumulative Shortage*		544	797	1230	1296	1522	1365	1342	1019	928	633

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
G51 - Occupations in food and beverage service											
Demand Projection	40,819	41,731	42,477	43,658	44,497	45,632	46,226	47,088	47,642	48,497	49,106
Labour Supply Projection	43,402	43,663	44,147	44,784	45,577	46,425	47,286	48,212	49,249	50,235	51,262
Cumulative Shortage*		651	913	1457	1503	1791	1523	1459	977	846	427
G61 - Police officers and firefighters											
Demand Projection	14,798	14,737	14,556	14,587	14,590	14,606	14,618	14,791	14,794	14,964	15,142
Labour Supply Projection	14,801	14,782	14,760	14,772	14,814	14,857	14,882	14,902	14,937	14,936	14,938
Cumulative Shortage*		-41	-201	-182	-221	-248	-260	-108	-140	31	207
G62 - Other occupations in protective service **											
Demand Projection	5,118	5,104	5,063	5,089	5,106	5,124	5,139	5,198	5,205	5,265	5,325
Labour Supply Projection	5,195	5,180	5,178	5,190	5,213	5,237	5,257	5,277	5,304	5,320	5,337
Cumulative Shortage*		1	-38	-24	-30	-36	-41	-2	-22	22	66
G63 - Security guards and related occupations											
Demand Projection	12,334	12,435	12,669	12,961	13,226	13,465	13,659	13,819	13,964	14,120	14,280
Labour Supply Projection	12,902	12,968	13,101	13,279	13,496	13,725	13,949	14,183	14,440	14,673	14,914
Cumulative Shortage*		35	135	249	297	308	276	203	91	14	-66
G71 - Occupations in travel and accommodation											
Demand Projection	11,310	11,526	11,756	12,055	12,307	12,544	12,717	12,864	13,020	13,165	13,290
Labour Supply Projection	11,601	11,698	11,839	12,018	12,228	12,446	12,657	12,873	13,106	13,317	13,535
Cumulative Shortage*		119	209	329	370	390	351	283	205	140	47
G72 - Tour and recreational guides and casino occupations **											
Demand Projection	1,843	1,860	1,890	1,934	1,976	2,011	2,044	2,071	2,102	2,128	2,155
Labour Supply Projection	1,891	1,904	1,927	1,956	1,991	2,028	2,063	2,100	2,141	2,178	2,215
Cumulative Shortage*		4	11	26	33	31	29	18	9	-1	-13
G73 - Other occupations in travel, accommodation, amusement and recreation											
Demand Projection	5,859	5,924	6,014	6,160	6,289	6,407	6,510	6,602	6,697	6,786	6,872
Labour Supply Projection	6,120	6,118	6,159	6,223	6,309	6,402	6,497	6,601	6,719	6,829	6,942
Cumulative Shortage*		68	117	199	242	266	275	263	239	218	192
G81 - Childcare and home support workers											
Demand Projection	31,184	31,893	32,599	33,387	34,109	34,779	35,586	36,209	36,884	37,454	37,967
Labour Supply Projection	32,725	33,011	33,365	33,834	34,408	35,005	35,591	36,202	36,868	37,476	38,104
Cumulative Shortage*		423	775	1094	1242	1316	1536	1548	1557	1519	1405
G91 - Technical occupations in personal service											
Demand Projection	9,749	9,848	10,021	10,280	10,520	10,720	10,916	11,064	11,248	11,394	11,545
Labour Supply Projection	9,800	9,882	9,994	10,135	10,302	10,552	10,714	10,876	11,050	11,203	11,360
Cumulative Shortage*		17	77	196	270	219	252	239	249	242	236

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
G92 - Other occupations in personal service											
Demand Projection	10,645	10,753	10,946	11,224	11,486	11,712	11,928	12,100	12,307	12,479	12,658
Labour Supply Projection	11,000	11,090	11,234	11,413	11,625	11,883	12,095	12,312	12,549	12,766	12,989
Cumulative Shortage*		18	67	165	215	183	187	143	112	67	24
G93 - Cleaners											
Demand Projection	53,980	54,651	55,718	57,124	58,404	59,670	60,785	61,847	62,874	63,933	64,925
Labour Supply Projection	57,000	57,199	57,810	58,630	59,680	60,818	61,998	63,280	64,738	66,143	67,593
Cumulative Shortage*		472	928	1513	1743	1871	1807	1587	1155	809	352
G94 - Butchers and bakers											
Demand Projection	11,001	11,109	11,346	11,619	11,881	12,126	12,312	12,489	12,662	12,827	13,016
Labour Supply Projection	11,100	11,134	11,245	11,393	11,580	11,779	11,980	12,195	12,437	12,663	12,896
Cumulative Shortage*		74	201	326	400	447	431	393	325	264	220
G96 - Food counter attendants, kitchen helpers and related occupations											
Demand Projection	40,697	41,651	42,452	43,660	44,564	45,750	46,477	47,462	48,202	49,205	49,974
Labour Supply Projection	42,402	42,346	42,580	42,984	43,580	44,246	44,956	45,762	46,717	47,643	48,594
Cumulative Shortage*		1010	1577	2381	2689	3209	3226	3405	3190	3267	3085
G97 - Other sales and related occupations											
Demand Projection	31,606	31,798	32,438	33,208	34,000	34,722	35,339	35,867	36,441	36,960	37,575
Labour Supply Projection	34,102	34,086	34,326	34,693	35,198	35,749	36,322	36,956	37,689	38,385	39,103
Cumulative Shortage*		208	607	1010	1298	1468	1511	1407	1247	1070	968
G98 - Other elemental service occupations**											
Demand Projection	5,576	5,651	5,755	5,904	6,042	6,170	6,291	6,399	6,521	6,630	6,737
Labour Supply Projection	5,800	5,805	5,854	5,923	6,017	6,119	6,225	6,342	6,476	6,604	6,736
Cumulative Shortage*		69	125	205	249	275	290	281	269	249	225
H01 - Contractors and supervisors, trades and related workers											
Demand Projection	49,480	47,562	47,697	48,637	49,898	50,836	51,574	52,173	52,752	53,305	53,800
Labour Supply Projection	51,506	51,614	51,905	52,338	52,880	53,447	53,990	54,548	55,178	55,694	56,212
Cumulative Shortage*		-2026	-2181	-1674	-955	-584	-389	-348	-399	-363	-385
H02 - Supervisors, railway and motor transportation occupations											
Demand Projection	9,397	9,499	9,666	9,888	10,101	10,252	10,396	10,480	10,607	10,686	10,768
Labour Supply Projection	9,400	9,409	9,471	9,560	9,676	9,799	9,920	10,048	10,194	10,324	10,479
Cumulative Shortage*		93	198	331	428	455	480	435	416	365	291
H11 - Plumbers, pipefitters and gas fitters											
Demand Projection	20,354	19,356	19,348	19,710	20,238	20,651	20,964	21,220	21,462	21,704	21,906
Labour Supply Projection	22,901	23,099	23,341	23,634	23,956	24,278	24,590	24,905	25,245	25,529	25,811
Cumulative Shortage*		-1196	-1446	-1377	-1171	-1080	-1080	-1138	-1237	-1278	-1358

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H12 - Carpenters and cabinetmakers											
Demand Projection	19,694	18,545	18,480	18,856	19,426	19,837	20,155	20,398	20,615	20,843	21,013
Labour Supply Projection	20,902	20,858	20,900	21,004	21,156	21,318	21,475	21,644	21,846	22,004	22,162
Cumulative Shortage*		-1105	-1212	-940	-522	-273	-112	-38	-23	47	58
H13 - Masonry and plastering trades											
Demand Projection	13,966	13,065	12,988	13,251	13,667	13,972	14,209	14,390	14,553	14,729	14,854
Labour Supply Projection	14,601	14,493	14,478	14,511	14,587	14,674	14,762	14,864	14,996	15,102	15,206
Cumulative Shortage*		-794	-856	-626	-285	-67	81	160	192	261	283
H14 - Other construction trades											
Demand Projection	17,984	16,883	16,792	17,127	17,650	18,039	18,349	18,590	18,813	19,049	19,226
Labour Supply Projection	19,002	18,920	18,948	19,036	19,176	19,330	19,483	19,651	19,857	20,027	20,198
Cumulative Shortage*		-1019	-1138	-891	-508	-273	-116	-43	-25	41	46
H21 - Electrical trades and telecommunications occupations											
Demand Projection	36,588	35,104	35,223	35,909	36,843	37,610	38,180	38,634	39,078	39,508	39,876
Labour Supply Projection	38,950	39,314	39,724	40,215	40,754	41,288	41,798	42,303	42,845	43,288	43,731
Cumulative Shortage*		-1848	-2138	-1944	-1548	-1316	-1256	-1306	-1405	-1418	-1493
H22 - Stationary engineers and power station and system operators											
Demand Projection	4,793	4,818	4,925	4,984	5,035	5,116	5,154	5,202	5,255	5,294	5,353
Labour Supply Projection	5,005	5,024	5,059	5,118	5,182	5,247	5,305	5,360	5,419	5,466	5,516
Cumulative Shortage*		7	78	78	65	82	62	55	49	41	50
H31 - Machinists and related occupations**											
Demand Projection	4,902	4,935	5,060	5,159	5,251	5,298	5,319	5,340	5,361	5,357	5,382
Labour Supply Projection	5,107	5,137	5,182	5,239	5,308	5,379	5,447	5,515	5,588	5,651	5,713
Cumulative Shortage*		3	84	126	150	124	78	31	-22	-88	-125
H32 - Metal forming, shaping and erecting trades											
Demand Projection	28,830	28,397	28,795	29,383	30,037	30,467	30,787	31,054	31,326	31,517	31,767
Labour Supply Projection	32,139	32,311	32,566	32,900	33,304	33,732	34,139	34,547	34,996	35,373	35,750
Cumulative Shortage*		-606	-462	-209	42	44	-43	-184	-362	-548	-674
H41 - Machinery and transportation equipment mechanics											
Demand Projection	35,878	35,665	36,132	36,826	37,560	38,124	38,617	39,052	39,533	39,919	40,381
Labour Supply Projection	37,303	37,561	37,954	38,445	39,012	39,599	40,160	40,722	41,330	41,856	42,387
Cumulative Shortage*		-471	-397	-194	-28	-50	-118	-246	-373	-512	-582
H42 - Automotive service technicians											
Demand Projection	23,486	23,682	24,094	24,675	25,228	25,696	26,133	26,484	26,895	27,237	27,615
Labour Supply Projection	24,102	24,271	24,551	24,896	25,297	25,713	26,120	26,535	26,985	27,387	27,795
Cumulative Shortage*		26	160	395	548	599	629	566	526	466	436

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H43 - Other mechanics **											
Demand Projection	3,599	3,571	3,617	3,691	3,771	3,839	3,896	3,941	3,990	4,032	4,076
Labour Supply Projection	3,700	3,723	3,761	3,809	3,865	3,923	3,979	4,036	4,097	4,151	4,206
Cumulative Shortage*		-51	-44	-17	7	17	18	6	-7	-19	-29
H51 - Upholsterers, tailors, shoe repairers, jewellers and related occupations **											
Demand Projection	3,104	3,132	3,198	3,274	3,347	3,402	3,448	3,486	3,529	3,561	3,600
Labour Supply Projection	3,601	3,576	3,576	3,588	3,611	3,637	3,663	3,692	3,729	3,759	3,789
Cumulative Shortage*		53	120	184	233	262	282	291	298	299	308
H52 - Printing press operators, commercial divers and other trades and related occupations, n.e.c. **											
Demand Projection	2,101	2,118	2,176	2,220	2,259	2,277	2,281	2,285	2,288	2,279	2,284
Labour Supply Projection	2,200	2,204	2,219	2,240	2,267	2,296	2,323	2,352	2,384	2,412	2,441
Cumulative Shortage*		13	56	78	91	80	57	32	3	-34	-58
H53 - Other installers, repairers and servicers											
Demand Projection	17,394	17,061	17,246	17,591	17,997	18,362	18,631	18,860	19,090	19,308	19,533
Labour Supply Projection	18,403	18,337	18,387	18,496	18,661	18,842	19,022	19,219	19,455	19,660	19,869
Cumulative Shortage*		-267	-132	105	345	529	619	650	644	657	673
H61 - Heavy equipment operators											
Demand Projection	22,855	22,300	22,361	22,694	23,112	23,439	23,735	24,036	24,329	24,619	24,920
Labour Supply Projection	25,302	25,153	25,148	25,227	25,391	25,580	25,773	25,994	26,271	26,508	26,748
Cumulative Shortage*		-405	-340	-85	169	307	410	490	506	558	620
H62 - Crane operators, drillers and blasters **											
Demand Projection	4,697	4,532	4,548	4,631	4,743	4,824	4,891	4,946	5,003	5,054	5,101
Labour Supply Projection	4,700	4,705	4,724	4,755	4,799	4,844	4,887	4,930	4,979	5,016	5,052
Cumulative Shortage*		-169	-173	-121	-52	-16	8	19	28	41	52
H71 - Motor vehicle and transit drivers											
Demand Projection	73,749	74,596	75,907	77,586	79,170	80,333	81,447	82,186	83,216	83,910	84,674
Labour Supply Projection	78,206	78,983	79,281	79,959	80,878	81,873	82,874	83,968	85,243	86,393	87,581
Cumulative Shortage*		71	1084	2084	2749	2918	3030	2675	2431	1975	1551
H72 - Train crew operating occupations **											
Demand Projection	1,599	1,630	1,665	1,707	1,744	1,770	1,796	1,808	1,833	1,845	1,858
Labour Supply Projection	1,600	1,609	1,624	1,643	1,667	1,691	1,714	1,738	1,765	1,789	1,814
Cumulative Shortage*		23	43	65	79	81	83	71	69	58	46
H73 - Other transport equipment operators and related workers **											
Demand Projection	2,204	2,236	2,280	2,334	2,385	2,420	2,454	2,472	2,503	2,520	2,538
Labour Supply Projection	2,406	2,400	2,408	2,424	2,446	2,469	2,493	2,518	2,547	2,572	2,598
Cumulative Shortage*		39	74	113	141	153	164	156	158	150	143

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H81 - Longshore workers and material handlers											
Demand Projection	22,066	22,232	22,678	23,193	23,704	24,104	24,443	24,705	25,020	25,256	25,545
Labour Supply Projection	23,202	23,023	22,993	23,041	23,163	23,305	23,446	23,610	23,823	23,998	24,179
Cumulative Shortage*		345	820	1287	1677	1934	2133	2231	2332	2394	2501
H82 - Trades helpers and labourers											
Demand Projection	23,591	22,397	22,370	22,814	23,457	23,930	24,297	24,589	24,855	25,129	25,350
Labour Supply Projection	27,403	27,218	27,225	27,321	27,509	27,724	27,943	28,195	28,511	28,786	29,065
Cumulative Shortage*		-1009	-1043	-695	-240	18	166	206	155	156	98
H83 - Public works and other labourers, n.e.c.***(**)											
Demand Projection	4,996	5,017	5,048	5,125	5,194	5,244	5,290	5,337	5,375	5,421	5,469
Labour Supply Projection	5,100	5,057	5,050	5,060	5,087	5,119	5,151	5,189	5,238	5,278	5,319
Cumulative Shortage*	-104	-40	-2	65	107	125	139	149	137	143	150
I01 - Contractors, operators and supervisors in agriculture, horticulture, and aquaculture											
Demand Projection	45,046	45,298	45,732	46,374	46,926	47,402	47,908	48,518	49,130	49,715	50,441
Labour Supply Projection	45,599	45,374	45,454	45,684	46,059	46,473	46,882	47,331	47,875	48,340	48,809
Cumulative Shortage*		476	831	1242	1419	1481	1579	1739	1808	1927	2185
I02 - Agriculture and horticulture workers											
Demand Projection	18,451	18,595	18,823	19,081	19,308	19,510	19,725	19,977	20,262	20,504	20,816
Labour Supply Projection	18,902	18,696	18,643	18,661	18,755	18,873	19,001	19,158	19,369	19,554	19,736
Cumulative Shortage*		350	630	870	1003	1087	1174	1269	1343	1400	1530
I12 - Supervisors, mining, oil and gas											
Demand Projection	15,920	16,003	16,161	16,343	16,504	16,652	16,839	17,077	17,357	17,588	17,888
Labour Supply Projection	17,501	17,504	17,604	17,756	17,956	18,170	18,379	18,599	18,851	19,072	19,297
Cumulative Shortage*	-1581	-1502	-1443	-1413	-1452	-1518	-1539	-1521	-1494	-1484	-1409
I13 - Underground miners, oil and gas drillers and related workers											
Demand Projection	22,954	23,174	23,384	23,576	23,724	23,875	24,118	24,479	24,920	25,272	25,749
Labour Supply Projection	25,203	25,409	25,498	25,681	25,933	26,201	26,463	26,745	27,076	27,361	27,657
Cumulative Shortage*		14	134	143	39	-77	-96	-18	92	159	340
I14 - Mine service workers and operators in oil and gas drilling											
Demand Projection	6,583	6,648	6,708	6,763	6,805	6,849	6,920	7,023	7,151	7,253	7,390
Labour Supply Projection	7,401	7,467	7,476	7,504	7,560	7,618	7,674	7,741	7,822	7,891	7,962
Cumulative Shortage*		-1	50	76	63	49	64	100	147	179	246
I16 - Logging & forestry workers **											
Demand Projection	679	683	688	692	696	700	705	714	723	731	742
Labour Supply Projection	727	720	719	720	723	727	731	736	743	748	753
Cumulative Shortage*		11	17	21	22	21	23	26	29	32	37

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
I21 - Primary production labourers											
Demand Projection	14,491	14,560	14,743	14,997	15,228	15,429	15,621	15,812	16,005	16,188	16,400
Labour Supply Projection	16,936	16,871	16,921	17,025	17,186	17,363	17,542	17,739	17,977	18,188	18,405
Cumulative Shortage*		134	268	417	488	511	525	518	474	446	440
J01 - Supervisors, processing occupations											
Demand Projection	6,296	6,326	6,492	6,597	6,692	6,768	6,788	6,815	6,840	6,838	6,872
Labour Supply Projection	6,394	6,391	6,418	6,465	6,529	6,596	6,661	6,728	6,805	6,870	6,936
Cumulative Shortage*		33	172	230	261	271	226	186	133	67	35
J02 - Supervisors, assembly and fabrication **											
Demand Projection	5,840	5,883	6,042	6,152	6,254	6,293	6,295	6,298	6,295	6,263	6,268
Labour Supply Projection	6,023	6,000	6,006	6,028	6,064	6,102	6,137	6,176	6,224	6,261	6,300
Cumulative Shortage*		66	219	307	373	374	341	306	255	185	151
J11 - Central control and process operators in manufacturing and processing**											
Demand Projection	6,085	6,136	6,230	6,303	6,365	6,425	6,480	6,552	6,640	6,703	6,797
Labour Supply Projection	6,200	6,210	6,243	6,293	6,358	6,426	6,489	6,554	6,627	6,687	6,749
Cumulative Shortage*		42	102	125	123	114	106	113	128	131	163
J13 - Machine operators and related workers in chemical, plastic and rubber processing **											
Demand Projection	2,950	2,963	3,067	3,114	3,155	3,216	3,218	3,220	3,218	3,206	3,210
Labour Supply Projection	3,117	3,111	3,119	3,136	3,162	3,189	3,215	3,242	3,274	3,300	3,326
Cumulative Shortage*		20	116	146	161	194	170	146	112	75	51
J17 - Machine operators and related workers in food, beverage and tobacco processing											
Demand Projection	7,592	7,656	7,890	8,059	8,207	8,263	8,266	8,271	8,266	8,221	8,229
Labour Supply Projection	8,001	7,940	7,936	7,959	8,009	8,066	8,122	8,186	8,267	8,335	8,403
Cumulative Shortage*		124	362	508	607	606	553	494	407	294	234
J18 - Printing machine operators and related occupations **											
Demand Projection	2,052	2,069	2,128	2,174	2,218	2,242	2,252	2,262	2,271	2,270	2,281
Labour Supply Projection	2,147	2,146	2,158	2,176	2,199	2,224	2,249	2,274	2,304	2,329	2,355
Cumulative Shortage*		17	65	93	113	112	98	83	62	35	21
J19 - Machining, metalworking, woodworking and related machine operators**											
Demand Projection	4,368	4,393	4,516	4,607	4,692	4,730	4,739	4,748	4,753	4,736	4,747
Labour Supply Projection	4,720	4,687	4,684	4,696	4,722	4,753	4,783	4,816	4,859	4,893	4,928
Cumulative Shortage*		59	185	264	323	330	309	285	247	195	172
J21 - Mechanical, electrical and electronics assemblers **											
Demand Projection	5,006	5,042	5,178	5,282	5,379	5,427	5,444	5,461	5,474	5,464	5,485
Labour Supply Projection	5,501	5,497	5,521	5,563	5,618	5,677	5,733	5,791	5,859	5,915	5,973
Cumulative Shortage*		40	152	215	256	244	206	165	110	44	7

Occupational Projections	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
J22 - Other assembly and related occupations											
Demand Projection	8,505	8,524	8,745	8,927	9,104	9,193	9,228	9,260	9,285	9,270	9,304
Labour Supply Projection	8,838	8,771	8,765	8,789	8,842	8,902	8,963	9,033	9,122	9,196	9,270
Cumulative Shortage*		85	312	470	595	623	598	560	495	407	366
J31 - Labourers in processing, manufacturing and utilities											
Demand Projection	12,841	12,921	13,285	13,557	13,810	13,936	13,972	14,004	14,024	13,985	14,023
Labour Supply Projection	13,855	13,739	13,719	13,747	13,820	13,906	13,992	14,093	14,225	14,335	14,446
Cumulative Shortage*		196	579	824	1003	1043	993	925	812	664	591

* Supply shortage if positive, supply surplus if negative. The cumulative shortages are calculated using 2015 as the base year.
** 2015 Historical data has a coefficient of variation > 16.5% and < 33.3% and should be used with caution.
*** Not elsewhere classified.

Appendix D

Results of Alberta's Occupational Demand and Supply for 4-Digit NOC-S Occupations, 2015-2025

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
A111 - Financial managers**											
Demand forecast	4,803	4,812	4,877	4,973	5,068	5,150	5,229	5,298	5,366	5,426	5,497
Labour Supply forecast	5,200	5,238	5,292	5,359	5,435	5,510	5,577	5,641	5,709	5,764	5,819
Cumulative Shortage*		-29	-19	11	30	37	49	54	54	58	75
A112 - Human resources managers **											
Demand forecast	4,001	4,007	4,063	4,142	4,221	4,293	4,358	4,421	4,484	4,543	4,608
Labour Supply forecast	4,100	4,147	4,207	4,277	4,356	4,434	4,506	4,576	4,650	4,714	4,778
Cumulative Shortage*		-41	-45	-37	-36	-42	-50	-57	-67	-72	-71
A121 - Engineering managers **											
Demand forecast	6,482	6,509	6,630	6,755	6,873	6,981	7,060	7,132	7,205	7,270	7,348
Labour Supply forecast	6,600	6,668	6,749	6,846	6,953	7,058	7,150	7,236	7,325	7,395	7,462
Cumulative Shortage*		-40	-1	27	38	40	28	14	-2	-7	4
A122 - Computer and information systems managers**											
Demand forecast	5,883	5,916	6,010	6,126	6,236	6,340	6,430	6,510	6,589	6,664	6,748
Labour Supply forecast	5,910	5,965	6,033	6,115	6,206	6,294	6,371	6,442	6,515	6,572	6,626
Cumulative Shortage*		-23	4	38	57	73	86	95	101	119	148
A131 - Sales marketing and advertising managers											
Demand forecast	10,271	10,319	10,513	10,742	10,967	11,156	11,313	11,449	11,589	11,707	11,853
Labour Supply forecast	11,001	11,075	11,189	11,330	11,492	11,654	11,801	11,945	12,098	12,224	12,363
Cumulative Shortage*		-26	54	142	205	232	242	234	221	213	220
A141 - Facility operation and maintenance managers **											
Demand forecast	4,794	4,820	4,899	5,000	5,097	5,179	5,252	5,315	5,383	5,440	5,506
Labour Supply forecast	4,845	4,863	4,904	4,956	5,019	5,083	5,143	5,204	5,271	5,328	5,388
Cumulative Shortage*		9	47	95	130	147	160	163	164	164	170
A211 - Retail trade managers											
Demand forecast	29,852	30,016	30,598	31,320	32,060	32,723	33,300	33,791	34,320	34,791	35,355
Labour Supply forecast	30,402	30,572	30,895	31,297	31,772	32,260	32,725	33,201	33,722	34,185	34,661
Cumulative Shortage*		-6	253	574	838	1,014	1,125	1,140	1,148	1,156	1,245
A221 - Restaurant and food service managers											
Demand forecast	15,803	16,154	16,444	16,899	17,220	17,657	17,879	18,207	18,412	18,735	18,965
Labour Supply forecast	15,825	15,906	16,073	16,281	16,530	16,787	17,033	17,285	17,563	17,811	18,066
Cumulative Shortage*		270	393	640	712	892	868	944	871	946	921
A222 - Accommodation service managers											
Demand forecast	7,396	7,557	7,689	7,900	8,048	8,248	8,352	8,502	8,595	8,742	8,845
Labour Supply forecast	7,700	7,738	7,817	7,917	8,036	8,159	8,277	8,398	8,531	8,650	8,772
Cumulative Shortage*		124	176	287	316	393	379	408	368	397	378
A301 - Insurance, Real Estate and Financial Brokerage Managers **											
Demand forecast	1,501	1,503	1,512	1,540	1,565	1,580	1,606	1,620	1,632	1,633	1,647
Labour Supply forecast	1,500	1,510	1,524	1,542	1,563	1,584	1,603	1,622	1,641	1,658	1,674
Cumulative Shortage*		-8	-14	-4	1	-5	1	-3	-11	-25	-28
A302 - Banking credit and other investment managers **											
Demand forecast	4,501	4,517	4,548	4,632	4,709	4,751	4,828	4,869	4,905	4,908	4,950
Labour Supply forecast	4,600	4,614	4,642	4,681	4,729	4,776	4,817	4,855	4,897	4,928	4,960
Cumulative Shortage*		2	5	50	79	74	110	113	106	78	89
A303 - Other business services managers **											
Demand forecast	2,595	2,615	2,659	2,712	2,760	2,806	2,842	2,875	2,904	2,936	2,970
Labour Supply forecast	2,600	2,621	2,650	2,686	2,727	2,768	2,806	2,842	2,882	2,914	2,948
Cumulative Shortage*		-2	14	31	38	42	41	37	28	26	27

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
A321 - Managers in health care **											
Demand forecast	3,201	3,331	3,431	3,557	3,676	3,822	3,979	4,161	4,361	4,566	4,749
Labour Supply forecast	3,300	3,359	3,431	3,509	3,593	3,675	3,754	3,831	3,909	3,978	4,026
Cumulative Shortage*		71	100	147	183	247	324	429	551	688	822
A323 - School principals and administrators of elementary and secondary education **											
Demand forecast	6,067	6,171	6,290	6,388	6,473	6,519	6,607	6,606	6,597	6,550	6,506
Labour Supply forecast	6,102	6,191	6,301	6,424	6,555	6,683	6,805	6,921	7,039	7,139	7,203
Cumulative Shortage*		15	23	-1	-47	-129	-163	-280	-407	-554	-662
A324 - Managers in social community and correctional services **											
Demand forecast	4,380	4,503	4,606	4,748	4,881	5,032	5,192	5,371	5,565	5,763	5,942
Labour Supply forecast	4,402	4,479	4,571	4,674	4,782	4,889	4,993	5,092	5,194	5,283	5,345
Cumulative Shortage*		46	57	96	120	164	221	300	393	502	619
A361 - Other services managers **											
Demand forecast	2,601	2,628	2,677	2,743	2,803	2,855	2,903	2,939	2,979	3,013	3,048
Labour Supply forecast	2,600	2,605	2,624	2,649	2,680	2,712	2,741	2,771	2,805	2,833	2,862
Cumulative Shortage*		21	52	93	123	142	161	167	173	179	185
A371 - Construction managers											
Demand forecast	15,604	14,723	14,667	14,958	15,400	15,732	15,994	16,201	16,388	16,589	16,742
Labour Supply forecast	15,800	15,778	15,815	15,891	15,996	16,101	16,191	16,288	16,414	16,498	16,601
Cumulative Shortage*	-196	-1,055	-1,148	-933	-597	-370	-196	-88	-26	91	142
A372 - Residential home builders and renovators											
Demand forecast	16,606	15,524	15,423	15,735	16,233	16,601	16,891	17,111	17,311	17,527	17,681
Labour Supply forecast	16,900	16,865	16,893	16,962	17,063	17,164	17,248	17,340	17,462	17,540	17,637
Cumulative Shortage*		-1,047	-1,176	-933	-536	-269	-62	66	143	282	339
A373 - Transportation managers **											
Demand forecast	3,201	3,252	3,314	3,391	3,462	3,513	3,562	3,592	3,638	3,667	3,698
Labour Supply forecast	3,200	3,160	3,131	3,110	3,094	3,078	3,058	3,040	3,027	3,005	2,987
Cumulative Shortage*		91	182	280	367	434	503	551	610	660	710
A381 - Primary production managers (except agriculture) **											
Demand forecast	8,393	8,459	8,551	8,639	8,716	8,791	8,886	9,013	9,166	9,288	9,451
Labour Supply forecast	8,800	8,796	8,835	8,900	8,986	9,077	9,165	9,253	9,354	9,437	9,520
Cumulative Shortage*		70	123	147	138	121	129	167	219	258	338
A391 - Manufacturing managers **											
Demand forecast	5,100	5,135	5,273	5,380	5,481	5,532	5,554	5,576	5,595	5,591	5,617
Labour Supply forecast	5,300	5,306	5,329	5,368	5,416	5,465	5,507	5,551	5,599	5,635	5,671
Cumulative Shortage*		29	143	212	265	267	247	225	196	155	145
B011 - Financial auditors and accountants											
Demand forecast	31,131	31,271	31,740	32,319	32,866	33,369	33,805	34,219	34,623	35,009	35,457
Labour Supply forecast	32,001	32,343	32,746	33,225	33,759	34,284	34,752	35,195	35,657	36,029	36,396
Cumulative Shortage*		-202	-136	-35	-23	-45	-77	-106	-164	-150	-68
B012 - Financial and investment analysts											
Demand forecast	4,707	4,742	4,803	4,879	4,948	5,017	5,086	5,147	5,209	5,257	5,323
Labour Supply forecast	5,000	5,054	5,117	5,191	5,275	5,357	5,430	5,499	5,571	5,630	5,687
Cumulative Shortage*		-19	-20	-19	-34	-47	-51	-59	-69	-79	-70
B013 - Securities agents, investment dealers and brokers **											
Demand forecast	1,803	1,811	1,831	1,860	1,886	1,909	1,937	1,953	1,969	1,973	1,991
Labour Supply forecast	1,900	1,920	1,944	1,973	2,004	2,036	2,063	2,090	2,117	2,139	2,161
Cumulative Shortage*		-12	-16	-15	-21	-29	-29	-39	-51	-69	-73

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
B014 - Other financial officers											
Demand forecast	11,208	11,249	11,323	11,526	11,710	11,820	12,007	12,113	12,202	12,220	12,329
Labour Supply forecast	11,300	11,420	11,563	11,732	11,920	12,106	12,271	12,428	12,591	12,722	12,852
Cumulative Shortage*		-80	-148	-114	-119	-194	-172	-223	-297	-410	-430
B021 - Specialists in human resources											
Demand forecast	12,310	12,388	12,551	12,780	12,998	13,203	13,396	13,590	13,777	13,961	14,159
Labour Supply forecast	12,902	13,088	13,308	13,559	13,832	14,101	14,347	14,584	14,829	15,038	15,245
Cumulative Shortage*		-108	-166	-187	-242	-307	-360	-402	-460	-486	-494
B022 - Professional occupations in business services to management											
Demand forecast	14,608	14,697	14,955	15,258	15,542	15,806	16,023	16,209	16,390	16,567	16,765
Labour Supply forecast	15,302	15,522	15,784	16,081	16,405	16,724	17,017	17,297	17,588	17,836	18,081
Cumulative Shortage*		-131	-134	-129	-169	-224	-300	-394	-504	-574	-622
B111 - Bookkeepers											
Demand forecast	33,874	33,872	34,390	35,156	35,907	36,549	37,112	37,590	38,070	38,524	39,004
Labour Supply forecast	34,603	34,812	35,171	35,629	36,170	36,727	37,256	37,790	38,373	38,886	39,414
Cumulative Shortage*		-211	-52	256	465	550	586	528	425	367	319
B112 - Loan officers											
Demand forecast	6,501	6,524	6,568	6,688	6,797	6,858	6,968	7,027	7,077	7,082	7,142
Labour Supply forecast	6,801	6,842	6,912	7,002	7,109	7,218	7,322	7,427	7,542	7,642	7,746
Cumulative Shortage*		-17	-45	-14	-11	-60	-54	-100	-165	-261	-304
B113 - Insurance adjusters and claims examiners **											
Demand forecast	3,002	3,013	3,030	3,085	3,135	3,162	3,214	3,241	3,264	3,264	3,292
Labour Supply forecast	3,100	3,119	3,151	3,192	3,241	3,291	3,338	3,386	3,438	3,484	3,531
Cumulative Shortage*		-8	-23	-9	-7	-30	-26	-47	-76	-121	-141
B211 - Secretaries (except legal and medical)											
Demand forecast	8,695	8,738	8,877	9,081	9,285	9,471	9,663	9,837	10,019	10,191	10,355
Labour Supply forecast	8,801	8,900	9,050	9,223	9,423	9,630	9,835	10,048	10,278	10,497	10,724
Cumulative Shortage*		-56	-66	-36	-32	-53	-66	-104	-153	-200	-263
B213 - Medical secretaries **											
Demand forecast	2,402	2,498	2,573	2,664	2,751	2,857	2,972	3,102	3,246	3,391	3,521
Labour Supply forecast	2,400	2,427	2,468	2,515	2,570	2,626	2,682	2,740	2,803	2,863	2,925
Cumulative Shortage*		69	103	147	180	229	288	361	441	527	595
B311 - Administrative officers											
Demand forecast	24,051	24,101	24,450	24,968	25,486	25,951	26,393	26,803	27,216	27,608	28,010
Labour Supply forecast	24,859	25,041	25,312	25,651	26,047	26,450	26,827	27,203	27,610	27,962	28,321
Cumulative Shortage*		-132	-54	125	248	309	374	408	414	454	497
B312 - Executive assistants**											
Demand forecast	5,655	5,670	5,734	5,834	5,932	6,023	6,111	6,196	6,276	6,354	6,439
Labour Supply forecast	5,760	5,803	5,865	5,944	6,036	6,129	6,216	6,304	6,398	6,479	6,563
Cumulative Shortage*		-27	-27	-5	2	-1	0	-2	-17	-20	-18
B313 - Personnel and recruitment officers **											
Demand forecast	3,354	3,373	3,423	3,484	3,543	3,600	3,651	3,699	3,746	3,792	3,842
Labour Supply forecast	3,555	3,581	3,620	3,668	3,725	3,782	3,836	3,890	3,948	3,999	4,050
Cumulative Shortage*		-7	4	17	19	18	15	10	-2	-6	-7
B314 - Property administrators **											
Demand forecast	4,952	4,952	4,983	5,077	5,167	5,224	5,312	5,367	5,415	5,436	5,490
Labour Supply forecast	5,255	5,294	5,351	5,423	5,506	5,592	5,671	5,751	5,837	5,911	5,987
Cumulative Shortage*		-39	-65	-43	-37	-64	-56	-81	-119	-172	-194

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
B315 - Purchasing agents and officers											
Demand forecast	11,362	11,403	11,562	11,741	11,915	12,071	12,217	12,374	12,543	12,686	12,867
Labour Supply forecast	11,761	11,847	11,975	12,136	12,323	12,513	12,692	12,870	13,062	13,229	13,399
Cumulative Shortage*		-45	-15	4	-9	-44	-76	-97	-121	-144	-133
B316 - Conference and event planners **											
Demand forecast	3,553	3,586	3,635	3,708	3,774	3,830	3,885	3,929	3,973	4,013	4,056
Labour Supply forecast	3,655	3,682	3,722	3,772	3,830	3,889	3,945	4,000	4,060	4,112	4,164
Cumulative Shortage*		6	15	38	46	43	42	31	15	3	-7
B318 - Immigration, unemployment insurance and revenue Officers **											
Demand forecast	2,451	2,438	2,404	2,406	2,404	2,404	2,404	2,431	2,428	2,455	2,483
Labour Supply forecast	2,470	2,488	2,515	2,549	2,588	2,628	2,665	2,703	2,743	2,778	2,814
Cumulative Shortage*		-31	-92	-124	-165	-205	-243	-253	-296	-304	-312
B411 - Supervisors, general office and administrative support clerks **											
Demand forecast	2,043	2,062	2,082	2,119	2,154	2,189	2,225	2,269	2,308	2,353	2,398
Labour Supply forecast	2,200	2,210	2,231	2,257	2,290	2,323	2,355	2,387	2,422	2,454	2,486
Cumulative Shortage*		9	9	19	22	23	28	39	43	57	69
B412 - Supervisors, finance and insurance clerks **											
Demand forecast	5,602	5,611	5,658	5,750	5,838	5,899	5,979	6,037	6,091	6,123	6,183
Labour Supply forecast	5,700	5,727	5,780	5,849	5,932	6,018	6,100	6,184	6,276	6,357	6,441
Cumulative Shortage*		-18	-23	0	4	-20	-22	-48	-86	-136	-159
B415 - Supervisors, recording, distributing and scheduling occupations											
Demand forecast	8,805	8,877	9,049	9,240	9,427	9,572	9,695	9,797	9,917	10,008	10,123
Labour Supply forecast	9,301	9,344	9,430	9,543	9,679	9,819	9,953	10,090	10,240	10,373	10,508
Cumulative Shortage*		29	115	193	244	249	238	204	173	131	111
B511 - General office clerks **											
Demand forecast	4,512	4,539	4,607	4,702	4,793	4,882	4,965	5,044	5,123	5,200	5,279
Labour Supply forecast	4,700	4,753	4,833	4,925	5,030	5,139	5,247	5,358	5,478	5,591	5,709
Cumulative Shortage*		-27	-37	-35	-49	-70	-94	-125	-167	-203	-242
B513 - Records management and filing clerks											
Demand forecast	8,806	8,932	9,073	9,271	9,458	9,659	9,867	10,100	10,338	10,584	10,823
Labour Supply forecast	9,201	9,304	9,459	9,640	9,846	10,060	10,270	10,487	10,723	10,945	11,175
Cumulative Shortage*		22	8	26	6	-6	-8	8	10	34	42
B514 - Receptionists and switchboard operators											
Demand forecast	24,242	24,728	25,273	25,994	26,684	27,415	28,168	28,961	29,824	30,673	31,472
Labour Supply forecast	24,952	25,233	25,653	26,142	26,702	27,281	27,852	28,442	29,080	29,681	30,307
Cumulative Shortage*		204	329	561	692	844	1,026	1,230	1,453	1,701	1,875
B522 - Data entry clerks											
Demand forecast	6,173	6,214	6,306	6,429	6,548	6,657	6,760	6,861	6,962	7,058	7,163
Labour Supply forecast	6,901	6,943	7,019	7,115	7,230	7,348	7,462	7,580	7,709	7,826	7,947
Cumulative Shortage*		0	15	42	46	37	26	9	-18	-40	-55
B531 - Accounting and related clerks											
Demand forecast	17,697	17,750	18,023	18,385	18,740	19,057	19,337	19,593	19,852	20,088	20,354
Labour Supply forecast	18,501	18,603	18,783	19,014	19,289	19,573	19,842	20,114	20,412	20,673	20,943
Cumulative Shortage*		-48	45	176	255	289	301	285	245	220	216
B532 - Payroll clerks											
Demand forecast	8,301	8,303	8,405	8,567	8,731	8,878	9,017	9,156	9,293	9,427	9,565
Labour Supply forecast	8,400	8,446	8,527	8,632	8,757	8,886	9,008	9,132	9,267	9,385	9,508
Cumulative Shortage*		-45	-24	33	72	90	108	122	124	140	155

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
B533 - Customer service representatives - Financial Services											
Demand forecast	8,487	8,516	8,569	8,728	8,870	8,944	9,088	9,161	9,223	9,221	9,294
Labour Supply forecast	8,701	8,749	8,833	8,942	9,071	9,205	9,331	9,459	9,599	9,722	9,849
Cumulative Shortage*		-19	-50	0	13	-47	-29	-84	-162	-287	-340
B541 - Administrative clerks											
Demand forecast	27,412	27,976	28,534	29,276	29,978	30,756	31,562	32,478	33,441	34,433	35,362
Labour Supply forecast	30,002	30,455	31,060	31,745	32,507	33,288	34,050	34,823	35,648	36,420	37,218
Cumulative Shortage*		111	64	122	61	58	103	244	383	602	734
B553 - Customer service, information and related clerks											
Demand forecast	12,808	12,888	13,108	13,387	13,657	13,903	14,110	14,287	14,469	14,632	14,825
Labour Supply forecast	13,601	13,668	13,801	13,973	14,181	14,395	14,600	14,810	15,042	15,248	15,459
Cumulative Shortage*		13	101	207	270	301	303	270	221	178	159
B561 - Mail, postal and related clerks **											
Demand forecast	3,601	3,668	3,742	3,832	3,914	3,971	4,028	4,058	4,110	4,139	4,171
Labour Supply forecast	3,800	3,813	3,851	3,899	3,960	4,024	4,088	4,156	4,232	4,303	4,376
Cumulative Shortage*		53	91	131	153	146	138	101	77	35	-6
B562 - Letter carriers **											
Demand forecast	4,401	4,486	4,581	4,693	4,797	4,869	4,940	4,977	5,042	5,078	5,115
Labour Supply forecast	4,500	4,516	4,560	4,618	4,689	4,765	4,841	4,921	5,012	5,096	5,182
Cumulative Shortage*		70	121	175	207	203	199	155	130	81	33
B563 - Couriers, messengers and door-to-door distributors **											
Demand forecast	3,701	3,758	3,834	3,928	4,016	4,085	4,149	4,193	4,253	4,297	4,342
Labour Supply forecast	4,100	4,115	4,155	4,207	4,273	4,342	4,411	4,484	4,566	4,643	4,721
Cumulative Shortage*		42	79	120	142	142	137	108	86	53	20
B571 - Shippers and receivers											
Demand forecast	14,404	14,513	14,819	15,153	15,485	15,754	15,974	16,159	16,365	16,528	16,736
Labour Supply forecast	15,901	15,969	16,130	16,338	16,591	16,858	17,121	17,397	17,704	17,986	18,277
Cumulative Shortage*		41	186	312	391	393	350	259	158	39	-44
B572 - Storekeepers and parts clerks **											
Demand forecast	2,997	3,012	3,067	3,135	3,203	3,263	3,315	3,362	3,412	3,456	3,510
Labour Supply forecast	3,300	3,314	3,348	3,391	3,443	3,499	3,553	3,611	3,674	3,733	3,793
Cumulative Shortage*		1	23	48	64	68	66	55	41	27	20
B573 - Production clerks **											
Demand forecast	3,401	3,413	3,481	3,549	3,616	3,668	3,709	3,751	3,796	3,831	3,878
Labour Supply forecast	3,400	3,415	3,449	3,493	3,548	3,605	3,661	3,720	3,785	3,846	3,908
Cumulative Shortage*		-3	31	54	67	62	47	30	9	-16	-32
B574 - Purchasing and inventory clerks **											
Demand forecast	4,501	4,532	4,619	4,722	4,825	4,913	4,990	5,058	5,132	5,197	5,273
Labour Supply forecast	4,800	4,821	4,869	4,932	5,009	5,089	5,169	5,252	5,345	5,430	5,518
Cumulative Shortage*		10	49	89	115	123	120	105	87	67	54
B575 - Dispatchers and radio operators **											
Demand forecast	4,298	4,330	4,388	4,469	4,546	4,612	4,672	4,725	4,786	4,839	4,896
Labour Supply forecast	4,500	4,520	4,565	4,624	4,696	4,771	4,846	4,924	5,011	5,090	5,173
Cumulative Shortage*		13	25	48	53	44	29	5	-21	-48	-75
C013 - Geologists, geochemists and geophysicists **											
Demand forecast	2,162	2,184	2,212	2,239	2,263	2,287	2,314	2,346	2,383	2,414	2,454
Labour Supply forecast	2,200	2,218	2,236	2,268	2,301	2,330	2,356	2,384	2,412	2,433	2,453
Cumulative Shortage*		5	13	9	1	-6	-5	0	8	19	40

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C021 - Biologists and Related Scientists **											
Demand forecast	2,551	2,570	2,606	2,655	2,700	2,741	2,778	2,816	2,846	2,883	2,920
Labour Supply forecast	2,550	2,570	2,589	2,613	2,639	2,680	2,709	2,743	2,778	2,804	2,830
Cumulative Shortage*		0	16	42	60	61	69	72	68	78	90
C031 - Civil engineers											
Demand forecast	11,011	10,984	11,141	11,360	11,577	11,774	11,925	12,056	12,170	12,297	12,430
Labour Supply forecast	11,502	11,482	11,432	11,497	11,709	11,922	12,126	12,317	12,512	12,677	12,843
Cumulative Shortage*		-8	199	353	359	342	289	230	148	111	78
C032 - Mechanical engineers**											
Demand forecast	7,810	7,842	7,988	8,140	8,284	8,413	8,509	8,596	8,681	8,759	8,854
Labour Supply forecast	8,603	8,699	8,785	8,946	9,053	9,161	9,260	9,348	9,437	9,503	9,568
Cumulative Shortage*		-65	-5	-13	23	45	42	41	36	49	78
C033 - Electrical and electronics engineers **											
Demand forecast	6,709	6,728	6,867	6,995	7,117	7,250	7,334	7,406	7,475	7,540	7,616
Labour Supply forecast	7,101	7,889	8,120	8,268	8,350	8,431	8,504	8,567	8,630	8,671	8,712
Cumulative Shortage*		-768	-860	-880	-840	-788	-778	-768	-763	-738	-703
C034 - Chemical engineers **											
Demand forecast	3,003	3,025	3,079	3,131	3,180	3,221	3,256	3,291	3,329	3,360	3,401
Labour Supply forecast	3,301	3,321	3,344	3,381	3,425	3,469	3,509	3,545	3,582	3,610	3,638
Cumulative Shortage*		3	34	49	54	51	46	45	45	48	61
C045 - Petroleum engineers											
Demand forecast	10,818	10,928	11,065	11,191	11,299	11,407	11,536	11,698	11,891	12,047	12,254
Labour Supply forecast	11,902	12,096	12,210	12,346	12,498	12,643	12,762	12,868	13,007	13,100	13,197
Cumulative Shortage*		-84	-61	-71	-116	-152	-142	-86	-33	30	140
C048 - Other professional engineers n.e.c***(**)											
Demand forecast	5,309	5,347	5,456	5,582	5,700	5,802	5,883	5,945	6,001	6,062	6,126
Labour Supply forecast	5,300	5,344	5,396	5,460	5,532	5,602	5,660	5,713	5,780	5,828	5,876
Cumulative Shortage*		-7	51	113	158	191	213	223	211	225	241
C051 - Architects **											
Demand forecast	1,903	1,905	1,939	1,983	2,026	2,063	2,093	2,116	2,136	2,159	2,182
Labour Supply forecast	1,900	1,905	1,911	1,923	1,938	1,953	1,964	1,976	1,988	1,995	2,002
Cumulative Shortage*		-3	24	57	85	107	125	137	145	160	176
C053 - Urban and land use planners **											
Demand forecast	2,601	2,599	2,605	2,635	2,662	2,686	2,707	2,739	2,755	2,786	2,819
Labour Supply forecast	2,900	2,907	2,917	2,935	2,958	2,981	2,998	3,016	3,035	3,046	3,056
Cumulative Shortage*		-9	-13	-1	3	5	8	22	20	40	62
C054 - Land surveyors **											
Demand forecast	2,100	2,102	2,136	2,182	2,226	2,264	2,294	2,318	2,339	2,363	2,388
Labour Supply forecast	2,250	2,256	2,264	2,277	2,295	2,313	2,326	2,340	2,354	2,363	2,371
Cumulative Shortage*		-3	23	55	81	102	118	129	135	151	167
C071 - Information systems analysts and consultants											
Demand forecast	14,118	14,212	14,441	14,719	14,979	15,225	15,437	15,627	15,807	15,987	16,182
Labour Supply forecast	14,651	14,780	14,911	15,079	15,275	15,469	15,636	15,792	15,958	16,083	16,206
Cumulative Shortage*		-35	63	172	236	290	333	367	382	436	509
C072 - Database analysts and data administrators **											
Demand forecast	2,714	2,741	2,787	2,840	2,889	2,934	2,975	3,011	3,047	3,080	3,117
Labour Supply forecast	2,800	2,825	2,850	2,882	2,920	2,956	2,988	3,018	3,050	3,074	3,097
Cumulative Shortage*		3	24	44	56	64	73	79	83	92	106

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C073 - Software engineers and designers **											
Demand forecast	5,510	5,544	5,644	5,762	5,875	5,972	6,053	6,121	6,189	6,250	6,322
Labour Supply forecast	5,600	5,612	5,662	5,726	5,801	5,874	5,937	5,997	6,060	6,107	6,154
Cumulative Shortage*		22	72	126	165	188	206	214	219	233	259
C074 - Computer programmers and interactive media developers											
Demand forecast	12,418	12,499	12,726	12,994	13,246	13,469	13,655	13,809	13,958	14,100	14,259
Labour Supply forecast	12,500	12,609	12,722	12,865	13,033	13,197	13,340	13,474	13,615	13,722	13,827
Cumulative Shortage*		-28	87	211	295	354	396	417	425	461	514
C112 - Geological and mineral technologists and technicians **											
Demand forecast	5,061	5,114	5,177	5,239	5,291	5,341	5,402	5,477	5,566	5,639	5,736
Labour Supply forecast	5,200	5,230	5,267	5,317	5,378	5,439	5,493	5,545	5,601	5,645	5,689
Cumulative Shortage*		23	49	60	52	41	48	72	104	133	185
C131 - Civil engineering technologists and technicians **											
Demand forecast	5,057	5,043	5,113	5,217	5,319	5,406	5,474	5,532	5,580	5,636	5,694
Labour Supply forecast	5,255	5,246	5,291	5,366	5,444	5,520	5,587	5,653	5,723	5,777	5,838
Cumulative Shortage*		-5	20	49	73	84	85	77	55	57	54
C132 - Mechanical engineering technologists and technicians **											
Demand forecast	1,286	1,286	1,310	1,334	1,357	1,376	1,390	1,402	1,415	1,425	1,438
Labour Supply forecast	1,685	2,282	2,295	2,312	2,334	2,356	2,375	2,393	2,414	2,428	2,443
Cumulative Shortage*		-597	-586	-579	-577	-581	-586	-592	-600	-604	-605
C134 - Construction estimators **											
Demand forecast	2,677	2,534	2,530	2,581	2,657	2,714	2,759	2,794	2,826	2,859	2,885
Labour Supply forecast	2,775	2,777	2,791	2,813	2,839	2,866	2,889	2,912	2,936	2,954	2,972
Cumulative Shortage*		-145	-164	-134	-84	-54	-33	-20	-13	3	11
C141 - Electrical and electronics engineering technologists and technicians **											
Demand forecast	5,857	5,825	5,916	6,029	6,148	6,258	6,340	6,416	6,492	6,562	6,638
Labour Supply forecast	6,100	6,116	6,140	6,180	6,232	6,285	6,332	6,377	6,427	6,463	6,499
Cumulative Shortage*		-47	20	93	159	216	251	282	308	342	382
C142 - Electronic service technicians (household and business equipment)											
Demand forecast	7,558	7,560	7,682	7,852	8,025	8,172	8,300	8,403	8,509	8,604	8,710
Labour Supply forecast	7,901	7,922	7,953	8,004	8,071	8,141	8,201	8,259	8,324	8,371	8,418
Cumulative Shortage*		-19	72	191	297	374	442	487	527	576	635
C143 - Industrial instrument technicians and mechanics **											
Demand forecast	5,282	5,262	5,337	5,430	5,524	5,597	5,659	5,721	5,787	5,840	5,909
Labour Supply forecast	5,640	5,655	5,677	5,714	5,762	5,812	5,855	5,896	5,943	5,976	6,010
Cumulative Shortage*		-35	18	74	120	143	162	183	202	222	257
C153 - Drafting technologists and technicians											
Demand forecast	9,309	9,302	9,469	9,668	9,865	10,030	10,152	10,253	10,344	10,435	10,537
Labour Supply forecast	9,501	9,710	9,783	9,879	9,992	10,106	10,206	10,300	10,402	10,479	10,555
Cumulative Shortage*		-215	-122	-18	65	116	138	145	134	149	174
C154 - Survey technologists and technicians **											
Demand forecast	1,600	1,609	1,637	1,672	1,704	1,732	1,754	1,772	1,787	1,805	1,823
Labour Supply forecast	1,900	1,800	1,813	1,831	1,852	1,873	1,892	1,909	1,928	1,942	1,957
Cumulative Shortage*		109	123	140	151	158	162	163	158	162	167
C161 - Non-Destructive testers and inspectors **											
Demand forecast	3,397	3,408	3,466	3,531	3,593	3,644	3,687	3,728	3,770	3,806	3,851
Labour Supply forecast	3,800	3,812	3,832	3,861	3,898	3,936	3,971	4,005	4,043	4,072	4,101
Cumulative Shortage*		-1	37	73	98	111	119	126	130	137	153

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
C163 - Inspectors in public and environmental health and occupational health and safety											
Demand forecast	9,393	9,356	9,458	9,620	9,785	9,925	10,052	10,184	10,314	10,442	10,582
Labour Supply forecast	9,946	9,978	10,027	10,104	10,202	10,302	10,392	10,480	10,580	10,656	10,734
Cumulative Shortage*		-68	-17	69	137	176	213	257	288	339	402
C164 - Construction inspectors											
Demand forecast	4,901	4,772	4,792	4,873	4,973	5,056	5,118	5,175	5,218	5,272	5,322
Labour Supply forecast	5,225	5,242	5,268	5,309	5,360	5,412	5,460	5,506	5,559	5,599	5,639
Cumulative Shortage*		-146	-152	-111	-63	-32	-18	-8	-16	-3	7
C171 - Air pilots, flight engineers and flying instructors **											
Demand forecast	3,002	3,062	3,126	3,202	3,272	3,322	3,372	3,401	3,448	3,476	3,505
Labour Supply forecast	3,002	3,007	3,016	3,033	3,058	3,083	3,106	3,127	3,152	3,170	3,189
Cumulative Shortage*		54	109	168	214	239	266	273	295	305	315
C181 - Computer network technicians											
Demand forecast	8,079	8,130	8,256	8,411	8,558	8,685	8,805	8,901	8,997	9,080	9,176
Labour Supply forecast	8,300	8,359	8,431	8,525	8,636	8,748	8,847	8,941	9,043	9,124	9,205
Cumulative Shortage*		-9	45	106	142	158	179	180	174	176	191
C182 - User support technicians											
Demand forecast	5,276	5,317	5,407	5,517	5,620	5,712	5,793	5,861	5,930	5,993	6,063
Labour Supply forecast	5,600	5,640	5,689	5,753	5,828	5,903	5,969	6,033	6,102	6,157	6,211
Cumulative Shortage*		1	42	88	116	133	148	152	152	160	175
D011 - Specialist physicians **											
Demand forecast	5,406	5,625	5,795	6,003	6,201	6,443	6,706	7,006	7,336	7,672	7,971
Labour Supply forecast	5,400	5,581	5,786	6,006	6,240	6,472	6,695	6,916	7,144	7,359	7,578
Cumulative Shortage*		38	3	-9	-44	-34	5	84	186	307	388
D012 - General practitioners and family physicians **											
Demand forecast	6,304	6,564	6,763	7,010	7,245	7,532	7,843	8,200	8,594	8,994	9,352
Labour Supply forecast	6,300	6,512	6,750	7,008	7,279	7,551	7,811	8,069	8,335	8,586	8,840
Cumulative Shortage*		48	9	-2	-39	-23	27	127	255	404	507
D013 - Dentists **											
Demand forecast	2,501	2,606	2,687	2,787	2,882	2,999	3,125	3,271	3,433	3,597	3,743
Labour Supply forecast	2,500	2,584	2,679	2,781	2,889	2,997	3,100	3,202	3,308	3,407	3,508
Cumulative Shortage*		21	7	5	-8	2	24	68	124	189	234
D014 - Veterinarians **											
Demand forecast	2,399	2,413	2,460	2,518	2,570	2,615	2,650	2,678	2,701	2,728	2,756
Labour Supply forecast	2,425	2,507	2,598	2,698	2,802	2,907	3,007	3,106	3,208	3,305	3,403
Cumulative Shortage*		-67	-112	-153	-206	-265	-330	-402	-481	-551	-621
D031 - Pharmacists **											
Demand forecast	4,801	4,879	4,992	5,129	5,267	5,411	5,547	5,686	5,838	5,986	6,136
Labour Supply forecast	4,800	4,929	5,069	5,222	5,384	5,543	5,693	5,839	5,988	6,125	6,261
Cumulative Shortage*		-51	-78	-94	-117	-134	-147	-154	-152	-140	-126
D042 - Physiotherapists **											
Demand forecast	4,301	4,482	4,621	4,793	4,957	5,159	5,376	5,628	5,905	6,188	6,441
Labour Supply forecast	4,400	4,546	4,711	4,887	5,074	5,261	5,441	5,619	5,802	5,975	6,151
Cumulative Shortage*		35	9	5	-18	-3	34	108	202	312	389
D043 - Occupational therapists **											
Demand forecast	2,402	2,493	2,565	2,653	2,736	2,837	2,946	3,069	3,203	3,340	3,461
Labour Supply forecast	2,400	2,480	2,569	2,666	2,768	2,869	2,967	3,064	3,165	3,259	3,355
Cumulative Shortage*		12	-6	-15	-33	-35	-23	3	37	79	105

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
D111 - Head nurses and supervisors **											
Demand forecast	3,100	3,226	3,323	3,444	3,560	3,702	3,855	4,033	4,229	4,430	4,609
Labour Supply forecast	3,100	3,186	3,285	3,393	3,509	3,625	3,738	3,849	3,966	4,076	4,189
Cumulative Shortage*		41	38	51	51	77	118	184	263	354	421
D112 - Registered nurses											
Demand forecast	45,001	46,855	48,283	50,067	51,758	53,834	56,065	58,653	61,504	64,418	67,014
Labour Supply forecast	45,202	46,715	48,249	49,912	51,686	53,472	55,204	56,933	58,735	60,446	62,202
Cumulative Shortage*		340	235	356	272	563	1,062	1,920	2,970	4,172	5,013
D212 - Medical laboratory technicians **											
Demand forecast	3,801	3,953	4,073	4,221	4,362	4,534	4,718	4,930	5,164	5,402	5,615
Labour Supply forecast	3,800	3,877	3,970	4,074	4,187	4,301	4,411	4,521	4,637	4,745	4,856
Cumulative Shortage*		76	102	146	174	232	306	408	526	656	758
D215 - Medical radiation technologists **											
Demand forecast	2,400	2,500	2,577	2,673	2,765	2,877	2,997	3,136	3,289	3,446	3,586
Labour Supply forecast	2,401	2,449	2,509	2,574	2,645	2,717	2,787	2,857	2,930	2,998	3,068
Cumulative Shortage*		51	69	100	120	160	210	280	360	449	518
D233 - Licensed practical nurses											
Demand forecast	8,095	8,433	8,695	9,021	9,330	9,707	10,112	10,581	11,098	11,626	12,095
Labour Supply forecast	8,100	8,225	8,388	8,573	8,777	8,986	9,188	9,391	9,606	9,807	10,013
Cumulative Shortage*		213	312	453	557	726	929	1,195	1,497	1,824	2,086
D234 - Ambulance attendants and other paramedical occupations **											
Demand forecast	3,880	4,023	4,130	4,270	4,402	4,565	4,739	4,946	5,170	5,402	5,610
Labour Supply forecast	3,900	3,960	4,039	4,128	4,227	4,327	4,424	4,522	4,625	4,722	4,822
Cumulative Shortage*		83	112	163	197	258	336	445	565	701	809
D235 - Other technical occupations in therapy and assessment **											
Demand forecast	3,599	3,720	3,823	3,955	4,079	4,222	4,375	4,543	4,731	4,919	5,088
Labour Supply forecast	3,700	3,757	3,831	3,916	4,009	4,105	4,197	4,289	4,388	4,479	4,574
Cumulative Shortage*		64	92	140	170	219	279	355	444	540	615
D311 - Dental assistants **											
Demand forecast	4,801	5,001	5,156	5,349	5,532	5,757	5,999	6,279	6,589	6,905	7,187
Labour Supply forecast	5,000	5,035	5,102	5,182	5,275	5,369	5,458	5,547	5,643	5,728	5,814
Cumulative Shortage*		166	253	366	456	588	740	932	1,146	1,377	1,572
D312 - Nurse aides, orderlies and patient service associates											
Demand forecast	24,477	25,489	26,272	27,253	28,180	29,316	30,535	31,949	33,508	35,100	36,518
Labour Supply forecast	25,102	26,091	26,828	27,692	28,638	29,618	30,607	31,636	32,739	33,828	34,980
Cumulative Shortage*		22	68	185	168	323	553	937	1,395	1,897	2,163
D313 - Other assisting occupations in support of health services											
Demand forecast	7,737	7,957	8,173	8,437	8,694	8,985	9,283	9,611	9,972	10,334	10,672
Labour Supply forecast	7,901	7,957	8,062	8,189	8,334	8,481	8,622	8,762	8,912	9,046	9,181
Cumulative Shortage*		165	276	413	525	668	826	1,014	1,224	1,453	1,656
E012 - Lawyers and Quebec notaries											
Demand forecast	9,211	9,260	9,409	9,597	9,771	9,929	10,055	10,167	10,261	10,370	10,488
Labour Supply forecast	9,500	9,661	9,820	9,992	10,194	10,401	10,577	10,732	10,888	11,008	11,131
Cumulative Shortage*		-112	-122	-106	-135	-183	-233	-276	-338	-349	-354
E021 - Psychologists **											
Demand forecast	5,084	5,273	5,423	5,606	5,779	5,987	6,213	6,466	6,743	7,024	7,275
Labour Supply forecast	5,100	5,216	5,354	5,504	5,673	5,835	5,985	6,146	6,305	6,451	6,596
Cumulative Shortage*		73	85	118	122	168	244	336	454	589	695

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
E022 - Social workers											
Demand forecast	6,080	6,249	6,371	6,549	6,715	6,914	7,128	7,386	7,651	7,937	8,194
Labour Supply forecast	6,100	6,239	6,404	6,583	6,785	6,979	7,158	7,351	7,541	7,716	7,890
Cumulative Shortage*		30	-13	-14	-50	-45	-10	55	130	241	324
E023 - Family, marriage and other related counsellors**											
Demand forecast	6,176	6,409	6,591	6,824	7,044	7,310	7,594	7,923	8,285	8,654	8,985
Labour Supply forecast	6,200	6,342	6,509	6,691	6,896	7,093	7,276	7,471	7,665	7,842	8,019
Cumulative Shortage*		92	107	158	171	241	342	476	644	836	990
E024 - Ministers of religion **											
Demand forecast	4,799	4,852	4,939	5,069	5,189	5,290	5,390	5,468	5,564	5,642	5,722
Labour Supply forecast	4,900	5,012	5,144	5,288	5,451	5,606	5,751	5,905	6,058	6,198	6,338
Cumulative Shortage*	-101	-160	-205	-219	-262	-316	-360	-437	-494	-556	-616
E031 - Natural and applied science policy researchers, consultants and program officers **											
Demand forecast	3,903	3,929	3,990	4,060	4,123	4,188	4,238	4,290	4,336	4,387	4,443
Labour Supply forecast	4,100	4,171	4,250	4,340	4,437	4,533	4,622	4,707	4,796	4,874	4,950
Cumulative Shortage*		-45	-62	-82	-116	-147	-186	-220	-262	-289	-310
E033 - Business development officers and marketing researchers and consultants **											
Demand forecast	4,406	4,430	4,503	4,591	4,674	4,751	4,815	4,872	4,929	4,981	5,041
Labour Supply forecast	4,630	4,710	4,800	4,901	5,010	5,119	5,219	5,316	5,416	5,504	5,590
Cumulative Shortage*		-55	-72	-85	-112	-143	-179	-219	-263	-298	-324
E034 - Social policy researchers, consultants and program officers **											
Demand forecast	3,502	3,527	3,550	3,604	3,651	3,699	3,746	3,806	3,851	3,911	3,971
Labour Supply forecast	3,700	3,764	3,836	3,916	4,004	4,091	4,171	4,248	4,328	4,398	4,468
Cumulative Shortage*		-39	-87	-114	-155	-193	-226	-244	-279	-289	-298
E035 - Education policy researchers, consultants and program officers **											
Demand forecast	1,601	1,625	1,651	1,680	1,705	1,724	1,750	1,762	1,772	1,778	1,783
Labour Supply forecast	1,700	1,729	1,762	1,799	1,839	1,879	1,916	1,952	1,989	2,021	2,052
Cumulative Shortage*		-5	-12	-20	-35	-56	-67	-90	-117	-144	-171
E039 - Health policy researchers, consultants and program officers **											
Demand forecast	1,961	2,019	2,066	2,129	2,187	2,255	2,328	2,411	2,498	2,589	2,671
Labour Supply forecast	2,000	2,034	2,073	2,117	2,164	2,211	2,254	2,296	2,339	2,377	2,415
Cumulative Shortage*		23	33	51	62	84	113	154	198	251	295
E111 - University professors**											
Demand forecast	5,606	5,703	5,813	5,901	5,979	6,022	6,105	6,106	6,099	6,058	6,019
Labour Supply forecast	6,001	6,100	6,150	6,206	6,272	6,336	6,388	6,434	6,485	6,517	6,550
Cumulative Shortage*		-2	58	90	103	82	113	67	10	-64	-136
E112 - Post-Secondary teaching and research assistants **											
Demand forecast	6,774	6,891	7,024	7,133	7,229	7,284	7,386	7,392	7,389	7,344	7,303
Labour Supply forecast	7,000	7,116	7,174	7,239	7,316	7,391	7,451	7,505	7,564	7,602	7,640
Cumulative Shortage*		1	77	119	139	119	161	112	50	-32	-111
E121 - College and other vocational instructors											
Demand forecast	13,200	13,402	13,644	13,886	14,105	14,264	14,482	14,579	14,666	14,700	14,739
Labour Supply forecast	13,801	14,002	14,169	14,364	14,584	14,800	14,990	15,171	15,360	15,509	15,657
Cumulative Shortage*		1	77	123	122	66	93	9	-92	-208	-317
E131 - Secondary school teachers											
Demand forecast	8,097	8,238	8,397	8,529	8,644	8,706	8,824	8,824	8,813	8,751	8,692
Labour Supply forecast	8,401	8,539	8,582	8,637	8,707	8,773	8,823	8,865	8,913	8,935	8,957
Cumulative Shortage*		2	118	195	240	236	305	262	203	119	38

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
E132 - Elementary school and kindergarten teachers											
Demand forecast	21,292	21,660	22,078	22,424	22,725	22,887	23,198	23,196	23,165	23,000	22,845
Labour Supply forecast	21,802	22,180	22,322	22,500	22,712	22,913	23,068	23,202	23,345	23,420	23,493
Cumulative Shortage*		-10	266	435	523	484	640	505	330	90	-137
E133 - Educational counsellors **											
Demand forecast	2,199	2,239	2,283	2,321	2,355	2,375	2,411	2,417	2,420	2,410	2,401
Labour Supply forecast	2,301	2,346	2,394	2,448	2,505	2,561	2,611	2,659	2,708	2,749	2,788
Cumulative Shortage*		-5	-9	-25	-48	-84	-98	-141	-186	-236	-285
E211 - Paralegal and related occupations**											
Demand forecast	6,390	6,426	6,541	6,684	6,816	6,930	7,021	7,096	7,159	7,231	7,308
Labour Supply forecast	6,702	6,804	6,943	7,100	7,275	7,454	7,630	7,807	7,996	8,173	8,355
Cumulative Shortage*		-66	-89	-103	-147	-212	-296	-399	-526	-631	-735
E212 - Community and social service workers											
Demand forecast	12,173	12,565	12,879	13,293	13,681	14,136	14,625	15,181	15,783	16,401	16,956
Labour Supply forecast	12,901	13,098	13,365	13,667	14,005	14,350	14,687	15,029	15,393	15,734	16,084
Cumulative Shortage*		195	242	353	404	514	665	879	1,118	1,394	1,600
E213 - Employment counsellors **											
Demand forecast	1,900	1,921	1,943	1,981	2,016	2,050	2,084	2,121	2,154	2,192	2,229
Labour Supply forecast	2,070	2,102	2,145	2,193	2,247	2,303	2,357	2,412	2,470	2,525	2,581
Cumulative Shortage*		-11	-31	-42	-62	-83	-103	-121	-147	-163	-182
E215 - Other instructors **											
Demand forecast	2,761	2,809	2,861	2,909	2,952	2,979	3,023	3,034	3,042	3,035	3,029
Labour Supply forecast	3,000	3,046	3,108	3,178	3,257	3,337	3,416	3,495	3,580	3,659	3,740
Cumulative Shortage*		2	-7	-30	-65	-118	-153	-222	-299	-385	-472
E217 - Early childhood educators and assistants											
Demand forecast	21,761	22,635	23,317	24,166	24,971	25,949	27,002	28,208	29,539	30,893	32,099
Labour Supply forecast	22,402	22,745	23,208	23,733	24,319	24,919	25,504	26,098	26,730	27,322	27,929
Cumulative Shortage*		532	751	1,075	1,294	1,672	2,139	2,751	3,450	4,212	4,811
F024 - Professional occupations in public relations and communications											
Demand forecast	8,125	8,193	8,309	8,461	8,601	8,737	8,864	8,981	9,093	9,204	9,321
Labour Supply forecast	8,300	8,444	8,599	8,771	8,958	9,142	9,312	9,474	9,641	9,785	9,927
Cumulative Shortage*		-77	-115	-135	-182	-230	-273	-318	-373	-405	-430
F031 - Producers, directors, choreographers and related occupations **											
Demand forecast	1,802	1,821	1,851	1,897	1,939	1,975	2,010	2,038	2,071	2,098	2,125
Labour Supply forecast	1,800	1,824	1,854	1,889	1,929	1,968	2,006	2,043	2,082	2,117	2,152
Cumulative Shortage*		-5	-6	5	8	5	2	-8	-14	-22	-29
F033 - Musicians and singers **											
Demand forecast	3,002	3,047	3,103	3,161	3,213	3,248	3,297	3,313	3,328	3,328	3,329
Labour Supply forecast	3,000	3,040	3,090	3,149	3,215	3,281	3,344	3,406	3,471	3,529	3,588
Cumulative Shortage*		6	11	10	-4	-35	-48	-95	-145	-203	-261
F111 - Library and archive technicians and assistants **											
Demand forecast	1,744	1,767	1,798	1,835	1,869	1,893	1,923	1,938	1,954	1,962	1,971
Labour Supply forecast	1,800	1,824	1,853	1,887	1,925	1,963	1,999	2,034	2,070	2,103	2,136
Cumulative Shortage*		-1	0	3	-1	-14	-20	-40	-61	-85	-109
F141 - Graphic designers and illustrators											
Demand forecast	6,059	6,105	6,233	6,374	6,506	6,608	6,688	6,751	6,811	6,864	6,928
Labour Supply forecast	6,200	6,278	6,377	6,492	6,620	6,750	6,873	6,994	7,122	7,235	7,350
Cumulative Shortage*		-31	-2	24	27	-1	-43	-101	-169	-230	-281

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
F142 - Interior designers **											
Demand forecast	2,002	1,998	2,031	2,075	2,120	2,159	2,190	2,215	2,237	2,261	2,286
Labour Supply forecast	2,000	2,025	2,057	2,094	2,136	2,178	2,217	2,256	2,297	2,334	2,371
Cumulative Shortage*		-29	-28	-21	-17	-21	-29	-44	-62	-75	-87
F152 - Coaches **											
Demand forecast	1,602	1,625	1,654	1,686	1,715	1,737	1,764	1,776	1,790	1,796	1,803
Labour Supply forecast	1,755	1,765	1,785	1,810	1,841	1,873	1,904	1,936	1,972	2,004	2,037
Cumulative Shortage*		13	22	29	27	17	14	-6	-28	-54	-81
F154 - Program leaders and instructors in recreation, sport and fitness											
Demand forecast	11,853	11,976	12,151	12,412	12,649	12,847	13,053	13,208	13,371	13,509	13,649
Labour Supply forecast	12,626	12,695	12,840	13,023	13,242	13,471	13,695	13,926	14,183	14,416	14,655
Cumulative Shortage*		54	84	162	180	149	131	55	-38	-134	-233
G011 - Retail trade supervisors											
Demand forecast	29,299	29,483	30,066	30,772	31,497	32,160	32,731	33,227	33,759	34,239	34,817
Labour Supply forecast	30,404	30,527	30,830	31,239	31,745	32,279	32,810	33,372	33,995	34,570	35,166
Cumulative Shortage*		61	341	639	857	986	1,026	960	869	774	756
G012 - Food service supervisors											
Demand forecast	7,998	8,185	8,336	8,570	8,739	8,969	9,096	9,278	9,402	9,585	9,718
Labour Supply forecast	8,400	8,434	8,518	8,631	8,771	8,918	9,065	9,220	9,393	9,552	9,716
Cumulative Shortage*		153	220	341	370	453	433	460	411	436	404
G015 - Cleaning supervisors											
Demand forecast	7,553	7,617	7,760	7,928	8,081	8,213	8,327	8,412	8,490	8,565	8,648
Labour Supply forecast	7,700	7,731	7,808	7,912	8,040	8,175	8,310	8,452	8,610	8,756	8,907
Cumulative Shortage*		32	99	163	188	185	165	107	27	-43	-112
G016 - Other service supervisors **											
Demand forecast	3,891	3,940	4,005	4,101	4,184	4,265	4,329	4,390	4,448	4,508	4,565
Labour Supply forecast	4,000	4,016	4,056	4,110	4,177	4,247	4,317	4,390	4,472	4,548	4,627
Cumulative Shortage*		33	58	101	117	127	121	109	85	69	47
G111 - Sales representatives - Wholesale trade (non-technical)											
Demand forecast	30,420	30,634	31,251	31,963	32,670	33,270	33,775	34,207	34,674	35,071	35,556
Labour Supply forecast	31,603	31,914	32,361	32,913	33,557	34,221	34,870	35,537	36,252	36,906	37,579
Cumulative Shortage*		-97	73	234	297	232	88	-146	-395	-652	-840
G121 - Technical sales specialists - Wholesale trade											
Demand forecast	16,872	16,938	17,267	17,635	18,009	18,331	18,596	18,832	19,085	19,301	19,570
Labour Supply forecast	17,204	17,391	17,600	17,863	18,170	18,487	18,788	19,090	19,409	19,688	19,972
Cumulative Shortage*		-121	-2	104	170	176	139	73	8	-55	-70
G131 - Insurance agents and brokers											
Demand forecast	7,898	7,925	7,974	8,120	8,253	8,321	8,456	8,524	8,582	8,580	8,649
Labour Supply forecast	8,100	8,157	8,226	8,322	8,439	8,562	8,680	8,799	8,928	9,039	9,154
Cumulative Shortage*		-29	-51	1	16	-39	-22	-73	-144	-257	-303
G132 - Real estate agents and salespersons											
Demand forecast	7,306	7,290	7,329	7,466	7,598	7,675	7,802	7,871	7,931	7,943	8,011
Labour Supply forecast	7,300	7,351	7,414	7,500	7,606	7,717	7,823	7,930	8,046	8,147	8,250
Cumulative Shortage*		-66	-90	-39	-13	-47	-26	-65	-120	-209	-244
G211 - Retail salespersons and sales clerks											
Demand forecast	59,220	59,570	60,742	62,173	63,647	64,980	66,134	67,128	68,197	69,156	70,305
Labour Supply forecast	63,650	63,989	64,656	65,543	66,642	67,802	68,963	70,195	71,563	72,837	74,159
Cumulative Shortage*		10	516	1,060	1,435	1,608	1,601	1,363	1,064	749	576

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
G311 - Cashiers											
Demand forecast	36,294	36,651	37,362	38,280	39,150	40,015	40,687	41,333	41,958	42,591	43,268
Labour Supply forecast	38,146	38,227	38,589	39,095	39,763	40,495	41,258	42,099	43,067	44,006	44,981
Cumulative Shortage*		277	625	1,036	1,239	1,372	1,281	1,086	743	437	139
G411 - Chefs											
Demand forecast	5,104	5,218	5,314	5,461	5,567	5,708	5,786	5,897	5,972	6,083	6,165
Labour Supply forecast	5,300	5,326	5,391	5,477	5,586	5,704	5,828	5,963	6,117	6,267	6,422
Cumulative Shortage*		88	118	180	177	200	154	130	52	13	-61
G412 - Cooks											
Demand forecast	24,897	25,482	25,961	26,695	27,236	27,956	28,382	28,971	29,399	29,996	30,446
Labour Supply forecast	26,001	26,129	26,385	26,748	27,221	27,737	28,274	28,862	29,535	30,184	30,856
Cumulative Shortage*		456	679	1,051	1,119	1,323	1,211	1,212	967	915	694
G511 - Maîtres d'hôtel and hosts/hostesses											
Demand forecast	7,562	7,734	7,870	8,087	8,238	8,449	8,553	8,711	8,806	8,961	9,069
Labour Supply forecast	8,200	8,250	8,356	8,490	8,655	8,830	9,009	9,202	9,416	9,621	9,835
Cumulative Shortage*		122	153	236	222	257	182	148	29	-21	-128
G512 - Bartenders**											
Demand forecast	4,101	4,190	4,264	4,383	4,467	4,579	4,638	4,722	4,775	4,858	4,917
Labour Supply forecast	4,801	4,830	4,892	4,971	5,067	5,170	5,275	5,388	5,513	5,633	5,759
Cumulative Shortage*		60	73	112	100	109	63	35	-37	-74	-141
G513 - Food and beverage servers											
Demand forecast	29,157	29,807	30,342	31,188	31,792	32,604	33,036	33,656	34,061	34,678	35,120
Labour Supply forecast	30,401	30,583	30,899	31,323	31,855	32,424	33,002	33,623	34,320	34,980	35,668
Cumulative Shortage*		468	687	1,109	1,181	1,424	1,278	1,277	985	941	695
G611 - Police officers (except commissioned)											
Demand forecast	9,298	9,257	9,138	9,156	9,156	9,165	9,171	9,281	9,278	9,386	9,497
Labour Supply forecast	9,300	9,288	9,274	9,282	9,308	9,335	9,351	9,364	9,385	9,385	9,386
Cumulative Shortage*		-29	-135	-124	-150	-168	-178	-81	-105	3	113
G612 - Firefighters											
Demand forecast	5,500	5,480	5,418	5,431	5,434	5,440	5,447	5,510	5,515	5,578	5,645
Labour Supply forecast	5,501	5,494	5,486	5,490	5,506	5,522	5,531	5,538	5,551	5,551	5,552
Cumulative Shortage*		-13	-66	-58	-71	-80	-83	-27	-35	28	94
G622 - Correctional service officers **											
Demand forecast	1,998	1,990	1,965	1,970	1,971	1,974	1,976	2,000	2,001	2,025	2,050
Labour Supply forecast	2,000	1,994	1,994	1,998	2,007	2,016	2,024	2,032	2,042	2,048	2,055
Cumulative Shortage*		-3	-26	-26	-34	-40	-46	-30	-39	-21	-3
G631 - Security guards and related occupations											
Demand forecast	12,334	12,435	12,669	12,961	13,226	13,465	13,659	13,819	13,964	14,120	14,280
Labour Supply forecast	12,902	12,968	13,101	13,279	13,496	13,725	13,949	14,183	14,440	14,673	14,914
Cumulative Shortage*		35	135	249	297	308	276	203	91	14	-66
G715 - Hotel front desk clerks **											
Demand forecast	3,596	3,678	3,743	3,849	3,921	4,023	4,072	4,146	4,190	4,264	4,314
Labour Supply forecast	3,700	3,731	3,776	3,833	3,900	3,970	4,037	4,106	4,180	4,247	4,317
Cumulative Shortage*		51	71	120	125	157	138	144	114	120	101
G731 - Operators and attendants in amusement, recreation and sport											
Demand forecast	5,749	5,811	5,899	6,042	6,169	6,283	6,385	6,474	6,567	6,653	6,738
Labour Supply forecast	6,000	5,998	6,039	6,101	6,185	6,277	6,370	6,471	6,587	6,696	6,806
Cumulative Shortage*		65	112	193	235	258	266	255	231	210	184

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
G811 - Visiting homemakers, housekeepers and related occupations											
Demand forecast	7,996	8,274	8,502	8,797	9,074	9,400	9,746	10,138	10,570	11,007	11,399
Labour Supply forecast	8,206	8,278	8,396	8,544	8,718	8,900	9,079	9,265	9,466	9,653	9,846
Cumulative Shortage*		207	317	464	567	711	878	1,083	1,314	1,564	1,764
G812 - Elementary and secondary school teacher assistants											
Demand forecast	15,684	15,954	16,262	16,522	16,746	16,868	17,098	17,102	17,084	16,969	16,861
Labour Supply forecast	16,813	16,960	17,085	17,268	17,503	17,748	17,987	18,237	18,514	18,758	19,012
Cumulative Shortage*		123	305	382	372	249	240	-6	-301	-660	-1,023
G814 - Babysitters, nannies and parents' helpers											
Demand forecast	7,504	7,664	7,834	8,068	8,288	8,511	8,741	8,969	9,231	9,478	9,708
Labour Supply forecast	7,706	7,773	7,884	8,023	8,187	8,357	8,525	8,700	8,889	9,065	9,245
Cumulative Shortage*		93	152	248	304	357	418	471	544	615	664
G911 - Hairstylists and barbers											
Demand forecast	9,550	9,647	9,815	10,070	10,305	10,501	10,692	10,838	11,018	11,161	11,309
Labour Supply forecast	9,600	9,680	9,790	9,929	10,091	10,337	10,495	10,654	10,825	10,975	11,128
Cumulative Shortage*		17	76	192	264	214	247	234	243	237	231
G922 - Estheticians, electrologists and related occupations **											
Demand forecast	4,903	4,951	5,039	5,167	5,288	5,392	5,491	5,569	5,662	5,739	5,820
Labour Supply forecast	5,000	5,041	5,106	5,188	5,284	5,401	5,498	5,596	5,704	5,803	5,904
Cumulative Shortage*		7	30	77	101	88	90	69	55	33	13
G923 - Pet groomers and animal care workers **											
Demand forecast	4,301	4,342	4,420	4,532	4,638	4,728	4,813	4,880	4,959	5,025	5,095
Labour Supply forecast	4,500	4,537	4,596	4,669	4,756	4,861	4,948	5,037	5,134	5,223	5,314
Cumulative Shortage*		4	23	62	81	65	64	42	25	2	-20
G931 - Light duty cleaners											
Demand forecast	30,495	31,006	31,664	32,535	33,310	34,142	34,844	35,588	36,305	37,088	37,792
Labour Supply forecast	31,300	31,409	31,745	32,195	32,771	33,397	34,044	34,748	35,549	36,320	37,117
Cumulative Shortage*		403	724	1,145	1,344	1,550	1,605	1,645	1,561	1,573	1,481
G932 - Specialized cleaners											
Demand forecast	4,699	4,713	4,795	4,905	5,013	5,106	5,186	5,249	5,318	5,377	5,443
Labour Supply forecast	5,500	5,519	5,578	5,658	5,759	5,869	5,982	6,106	6,247	6,382	6,522
Cumulative Shortage*		-5	19	49	56	39	5	-56	-128	-204	-278
G933 - Janitors, caretakers and building superintendents											
Demand forecast	18,787	18,932	19,259	19,684	20,081	20,423	20,755	21,010	21,252	21,468	21,690
Labour Supply forecast	20,200	20,270	20,487	20,777	21,149	21,553	21,971	22,425	22,942	23,440	23,953
Cumulative Shortage*		75	185	318	344	282	197	-3	-278	-559	-851
G941 - Butchers, meat cutters and fishmongers - Retail and wholesale **											
Demand forecast	4,799	4,835	4,934	5,050	5,169	5,281	5,375	5,457	5,544	5,624	5,718
Labour Supply forecast	4,800	4,815	4,863	4,927	5,008	5,094	5,181	5,274	5,378	5,476	5,577
Cumulative Shortage*		21	72	124	162	188	195	184	167	149	142
G942 - Bakers											
Demand forecast	6,201	6,273	6,412	6,569	6,712	6,845	6,937	7,032	7,118	7,203	7,298
Labour Supply forecast	6,300	6,320	6,382	6,466	6,573	6,685	6,800	6,922	7,059	7,187	7,319
Cumulative Shortage*		52	129	202	238	259	236	209	158	115	78
G961 - Food counter attendants, kitchen helpers and related occupations											
Demand forecast	40,697	41,651	42,452	43,660	44,564	45,750	46,477	47,462	48,202	49,205	49,974
Labour Supply forecast	42,402	42,346	42,580	42,984	43,580	44,246	44,956	45,762	46,717	47,643	48,594
Cumulative Shortage*		1,010	1,577	2,381	2,689	3,209	3,226	3,405	3,190	3,267	3,085

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
G972 - Grocery clerks and store shelf stockers											
Demand forecast	24,756	24,929	25,439	26,045	26,669	27,240	27,729	28,151	28,611	29,026	29,521
Labour Supply forecast	26,901	26,889	27,078	27,367	27,766	28,201	28,653	29,153	29,731	30,280	30,846
Cumulative Shortage*		186	506	823	1,048	1,185	1,222	1,144	1,026	891	820
G973 - Other elemental sales occupations											
Demand forecast	5,443	5,450	5,550	5,680	5,815	5,935	6,035	6,120	6,207	6,290	6,383
Labour Supply forecast	5,600	5,598	5,637	5,698	5,780	5,871	5,965	6,069	6,190	6,304	6,422
Cumulative Shortage*		10	71	141	192	222	228	208	176	144	119
G981 - Dry cleaning and laundry occupations **											
Demand forecast	1,999	2,038	2,080	2,141	2,196	2,251	2,304	2,356	2,415	2,470	2,521
Labour Supply forecast	2,000	2,002	2,019	2,043	2,075	2,110	2,147	2,187	2,233	2,277	2,323
Cumulative Shortage*		36	62	99	122	141	158	170	182	193	199
G983 - Other elemental service occupations**											
Demand forecast	3,276	3,308	3,363	3,443	3,518	3,583	3,644	3,692	3,748	3,794	3,843
Labour Supply forecast	3,500	3,503	3,532	3,574	3,631	3,692	3,756	3,827	3,908	3,985	4,065
Cumulative Shortage*		28	54	92	111	114	111	89	63	32	1
H012 - Contractors and supervisors, electrical trades and telecommunications occupations **											
Demand forecast	3,280	3,112	3,110	3,171	3,260	3,332	3,387	3,429	3,469	3,510	3,543
Labour Supply forecast	3,400	3,407	3,426	3,455	3,491	3,528	3,564	3,601	3,642	3,676	3,711
Cumulative Shortage*		-175	-196	-164	-111	-75	-57	-52	-53	-46	-48
H013 - Contractors and supervisors, pipefitting trades **											
Demand forecast	2,699	2,568	2,568	2,613	2,680	2,736	2,777	2,811	2,844	2,877	2,905
Labour Supply forecast	2,700	2,706	2,721	2,744	2,772	2,802	2,830	2,859	2,892	2,920	2,947
Cumulative Shortage*		-136	-152	-129	-91	-64	-52	-47	-47	-42	-41
H014 - Contractors and supervisors, metal forming shaping and erecting trades											
Demand forecast	4,398	4,344	4,414	4,506	4,606	4,670	4,715	4,753	4,791	4,815	4,851
Labour Supply forecast	4,800	4,811	4,838	4,878	4,929	4,981	5,032	5,084	5,143	5,191	5,239
Cumulative Shortage*		-64	-21	31	80	91	86	72	51	27	15
H015 - Contractors and supervisors, carpentry trades											
Demand forecast	5,900	5,520	5,488	5,600	5,777	5,906	6,006	6,082	6,151	6,225	6,277
Labour Supply forecast	6,100	6,113	6,147	6,198	6,263	6,330	6,394	6,460	6,535	6,596	6,657
Cumulative Shortage*		-392	-459	-398	-286	-223	-188	-177	-184	-171	-180
H016 - Contractors and supervisors, mechanic trades											
Demand forecast	10,750	10,693	10,829	11,048	11,278	11,456	11,611	11,739	11,882	12,000	12,132
Labour Supply forecast	10,900	10,923	10,984	11,076	11,191	11,311	11,426	11,544	11,677	11,786	11,896
Cumulative Shortage*		-80	-6	122	238	295	335	345	355	364	386
H017 - Contractors and supervisors, heavy construction equipment crews											
Demand forecast	8,593	8,209	8,191	8,337	8,545	8,701	8,830	8,942	9,046	9,156	9,249
Labour Supply forecast	9,301	9,320	9,373	9,451	9,549	9,651	9,749	9,850	9,964	10,057	10,150
Cumulative Shortage*		-403	-473	-406	-296	-242	-212	-200	-210	-193	-193
H019 - Contractors and supervisors, other construction trades, installers, repairers and servicers											
Demand forecast	11,803	11,071	11,013	11,236	11,583	11,838	12,038	12,191	12,330	12,477	12,586
Labour Supply forecast	12,100	12,125	12,194	12,295	12,423	12,556	12,684	12,814	12,962	13,084	13,205
Cumulative Shortage*		-757	-884	-762	-543	-420	-349	-326	-336	-309	-323
H022 - Supervisors, motor transport and other ground transit operators											
Demand forecast	8,896	8,988	9,144	9,353	9,555	9,697	9,834	9,912	10,032	10,107	10,184
Labour Supply forecast	8,900	8,908	8,967	9,052	9,162	9,278	9,392	9,513	9,652	9,775	9,922
Cumulative Shortage*		84	181	306	397	423	445	403	384	336	266

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H111 - Plumbers											
Demand forecast	10,960	10,273	10,214	10,421	10,745	10,985	11,173	11,318	11,448	11,588	11,688
Labour Supply forecast	11,400	11,499	11,620	11,765	11,926	12,086	12,241	12,398	12,568	12,709	12,849
Cumulative Shortage*		-786	-965	-904	-740	-661	-628	-640	-680	-680	-721
H112 - Steamfitters, pipefitters and sprinkler system installers											
Demand forecast	8,495	8,214	8,247	8,391	8,581	8,722	8,839	8,944	9,051	9,147	9,244
Labour Supply forecast	10,400	10,490	10,600	10,733	10,880	11,026	11,168	11,310	11,465	11,594	11,722
Cumulative Shortage*		-371	-448	-437	-393	-398	-424	-461	-509	-542	-573
H121 - Carpenters											
Demand forecast	18,994	17,858	17,782	18,143	18,696	19,098	19,411	19,651	19,864	20,092	20,259
Labour Supply forecast	20,202	20,159	20,200	20,300	20,447	20,604	20,756	20,919	21,114	21,267	21,420
Cumulative Shortage*		-1,093	-1,210	-949	-543	-297	-136	-60	-42	33	47
H132 - Concrete finishers **											
Demand forecast	2,501	2,347	2,337	2,384	2,457	2,510	2,550	2,581	2,609	2,638	2,659
Labour Supply forecast	2,700	2,680	2,678	2,684	2,698	2,714	2,730	2,749	2,773	2,793	2,812
Cumulative Shortage*		-134	-141	-100	-41	-4	20	32	35	44	46
H134 - Plasterers, drywall installers and finishers and lathers											
Demand forecast	8,663	8,091	8,036	8,199	8,460	8,651	8,800	8,914	9,017	9,129	9,208
Labour Supply forecast	9,101	9,034	9,024	9,045	9,092	9,146	9,201	9,265	9,347	9,413	9,478
Cumulative Shortage*		-505	-550	-407	-194	-57	37	87	108	154	168
H141 - Roofers and shinglers **											
Demand forecast	3,983	3,715	3,688	3,762	3,882	3,971	4,040	4,094	4,142	4,194	4,231
Labour Supply forecast	4,100	4,083	4,089	4,108	4,138	4,171	4,204	4,240	4,285	4,321	4,358
Cumulative Shortage*		-250	-283	-228	-138	-83	-46	-29	-25	-10	-10
H143 - Insulators **											
Demand forecast	4,898	4,640	4,627	4,716	4,849	4,948	5,028	5,093	5,156	5,219	5,270
Labour Supply forecast	5,100	5,078	5,086	5,110	5,147	5,188	5,229	5,275	5,330	5,376	5,421
Cumulative Shortage*		-236	-256	-191	-96	-38	1	21	28	45	51
H144 - Painters and decorators											
Demand forecast	7,002	6,548	6,503	6,635	6,844	6,999	7,122	7,216	7,302	7,395	7,461
Labour Supply forecast	7,401	7,369	7,380	7,414	7,469	7,529	7,588	7,654	7,734	7,800	7,867
Cumulative Shortage*		-423	-478	-381	-227	-132	-68	-39	-34	-7	-7
H145 - Floor covering installers **											
Demand forecast	1,900	1,788	1,781	1,817	1,874	1,916	1,949	1,976	2,000	2,025	2,045
Labour Supply forecast	2,100	2,091	2,094	2,104	2,119	2,136	2,153	2,172	2,195	2,213	2,232
Cumulative Shortage*		-103	-114	-87	-46	-21	-4	3	5	12	12
H211 - Electricians (except industrial and power system)											
Demand forecast	21,247	19,991	19,902	20,309	20,932	21,394	21,764	22,045	22,304	22,578	22,778
Labour Supply forecast	22,902	23,116	23,357	23,646	23,962	24,277	24,577	24,873	25,192	25,453	25,713
Cumulative Shortage*		-1,470	-1,800	-1,681	-1,375	-1,227	-1,157	-1,172	-1,233	-1,220	-1,279
H212 - Industrial electricians											
Demand forecast	6,436	6,366	6,449	6,553	6,668	6,745	6,807	6,873	6,943	6,993	7,064
Labour Supply forecast	6,801	6,864	6,936	7,021	7,115	7,209	7,298	7,386	7,481	7,558	7,635
Cumulative Shortage*	-364	-498	-486	-468	-448	-464	-490	-513	-538	-565	-572
H214 - Electrical power line and cable workers **											
Demand forecast	1,843	1,773	1,804	1,824	1,854	1,917	1,933	1,947	1,957	1,970	1,980
Labour Supply forecast	1,900	1,918	1,938	1,962	1,988	2,014	2,039	2,064	2,090	2,112	2,133
Cumulative Shortage*		-88	-77	-80	-77	-40	-49	-60	-76	-84	-97

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H216 - Telecommunications installation and repair workers **											
Demand forecast	4,541	4,477	4,522	4,629	4,746	4,840	4,924	4,990	5,062	5,126	5,187
Labour Supply forecast	4,601	4,644	4,692	4,750	4,814	4,877	4,937	4,997	5,061	5,113	5,166
Cumulative Shortage*		-107	-110	-61	-8	23	47	53	61	73	81
H221 - Stationary engineers and auxiliary equipment operators											
Demand forecast	4,301	4,325	4,419	4,472	4,518	4,590	4,624	4,668	4,715	4,751	4,804
Labour Supply forecast	4,500	4,517	4,549	4,602	4,660	4,717	4,770	4,819	4,872	4,914	4,959
Cumulative Shortage*		7	70	70	57	72	54	47	42	35	44
H311 - Machinists and machining and tooling inspectors**											
Demand forecast	4,402	4,433	4,551	4,643	4,728	4,769	4,787	4,805	4,823	4,817	4,839
Labour Supply forecast	4,603	4,630	4,670	4,722	4,783	4,848	4,909	4,970	5,036	5,092	5,149
Cumulative Shortage*		4	82	122	145	122	79	36	-13	-75	-110
H321 - Sheet metal workers **											
Demand forecast	3,001	2,857	2,863	2,923	3,006	3,064	3,107	3,140	3,170	3,198	3,222
Labour Supply forecast	3,501	3,520	3,547	3,584	3,628	3,674	3,719	3,763	3,812	3,853	3,894
Cumulative Shortage*		-162	-184	-161	-121	-110	-111	-123	-142	-155	-173
H324 - Ironworkers **											
Demand forecast	3,398	3,240	3,244	3,308	3,399	3,465	3,517	3,559	3,598	3,635	3,668
Labour Supply forecast	4,000	4,022	4,053	4,095	4,145	4,199	4,249	4,300	4,356	4,403	4,450
Cumulative Shortage*		-179	-207	-185	-143	-131	-129	-139	-155	-165	-179
H326 - Welders and related machine operators											
Demand forecast	20,085	19,957	20,293	20,713	21,148	21,433	21,649	21,835	22,032	22,161	22,347
Labour Supply forecast	22,102	22,221	22,396	22,626	22,903	23,197	23,477	23,758	24,067	24,326	24,586
Cumulative Shortage*		-247	-85	105	262	252	189	93	-19	-148	-221
H411 - Construction millwrights and industrial mechanics (except textile)											
Demand forecast	10,902	10,908	11,097	11,292	11,486	11,629	11,741	11,853	11,977	12,063	12,191
Labour Supply forecast	11,151	11,228	11,345	11,492	11,662	11,837	12,005	12,173	12,355	12,512	12,671
Cumulative Shortage*		-71	0	49	74	41	-14	-71	-129	-200	-231
H412 - Heavy-duty equipment mechanics											
Demand forecast	19,613	19,560	19,810	20,199	20,599	20,919	21,216	21,476	21,766	22,007	22,288
Labour Supply forecast	20,744	20,887	21,106	21,379	21,694	22,020	22,332	22,645	22,983	23,276	23,571
Cumulative Shortage*		-197	-165	-49	35	29	14	-39	-87	-138	-153
H413 - Refrigeration and air conditioning mechanics **											
Demand forecast	3,341	3,165	3,161	3,227	3,324	3,396	3,454	3,500	3,542	3,586	3,621
Labour Supply forecast	3,349	3,372	3,408	3,452	3,503	3,555	3,606	3,656	3,711	3,758	3,806
Cumulative Shortage*		-200	-239	-217	-171	-151	-144	-149	-161	-164	-177
H421 - Automotive service technicians, truck and bus mechanics and mechanical repairers											
Demand forecast	16,989	17,125	17,424	17,837	18,233	18,570	18,881	19,134	19,426	19,672	19,947
Labour Supply forecast	17,501	17,624	17,827	18,078	18,369	18,672	18,967	19,268	19,595	19,887	20,183
Cumulative Shortage*		13	109	271	376	410	426	378	344	297	276
H422 - Motor vehicle body repairers **											
Demand forecast	6,496	6,556	6,670	6,838	6,995	7,127	7,252	7,351	7,468	7,565	7,668
Labour Supply forecast	6,601	6,647	6,723	6,818	6,928	7,042	7,153	7,267	7,390	7,500	7,612
Cumulative Shortage*		13	51	124	172	189	203	188	182	169	160
H512 - Tailors, dressmakers, furriers and milliners **											
Demand forecast	1,701	1,716	1,754	1,795	1,833	1,861	1,883	1,900	1,920	1,934	1,953
Labour Supply forecast	2,100	2,086	2,086	2,093	2,106	2,121	2,137	2,154	2,175	2,193	2,210
Cumulative Shortage*		29	67	101	126	138	145	146	145	140	142

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H531 - Residential and commercial installers and servicers											
Demand forecast	7,503	7,167	7,183	7,331	7,538	7,693	7,811	7,907	7,994	8,083	8,160
Labour Supply forecast	7,901	7,872	7,894	7,941	8,011	8,089	8,166	8,251	8,352	8,440	8,530
Cumulative Shortage*		-307	-313	-211	-75	2	43	54	40	41	28
H532 - Waterworks and gas maintainance workers **											
Demand forecast	1,897	1,869	1,898	1,914	1,932	1,980	1,993	2,008	2,019	2,034	2,050
Labour Supply forecast	2,000	1,993	1,998	2,010	2,028	2,048	2,067	2,089	2,114	2,137	2,159
Cumulative Shortage*		-22	3	7	6	35	28	22	7	0	-7
H533 - Automotive mechanical installers and servicers **											
Demand forecast	4,095	4,128	4,208	4,310	4,410	4,499	4,579	4,644	4,720	4,785	4,860
Labour Supply forecast	4,402	4,386	4,398	4,424	4,463	4,507	4,550	4,597	4,653	4,702	4,752
Cumulative Shortage*		48	117	192	253	299	335	354	373	389	414
H535 - Other repairers and servicers **											
Demand forecast	3,699	3,697	3,755	3,830	3,908	3,978	4,035	4,085	4,140	4,188	4,243
Labour Supply forecast	3,900	3,886	3,897	3,920	3,955	3,993	4,031	4,073	4,123	4,167	4,211
Cumulative Shortage*		12	59	111	154	185	204	213	218	222	233
H611 - Heavy equipment operators (except crane)											
Demand forecast	19,357	18,817	18,864	19,147	19,517	19,805	20,069	20,333	20,604	20,857	21,121
Labour Supply forecast	21,702	21,574	21,591	21,679	21,840	22,024	22,212	22,424	22,686	22,914	23,144
Cumulative Shortage*		-413	-382	-187	21	125	202	253	263	288	322
H612 - Public works maintenance equipment operators											
Demand forecast	3,497	3,483	3,497	3,547	3,595	3,634	3,666	3,704	3,725	3,762	3,799
Labour Supply forecast	3,600	3,579	3,557	3,548	3,550	3,556	3,561	3,570	3,586	3,595	3,604
Cumulative Shortage*		8	43	102	148	182	208	237	243	271	298
H621 - Crane operators **											
Demand forecast	3,797	3,674	3,693	3,762	3,853	3,919	3,972	4,015	4,060	4,099	4,136
Labour Supply forecast	3,800	3,804	3,820	3,845	3,880	3,916	3,951	3,986	4,025	4,056	4,085
Cumulative Shortage*		-127	-123	-79	-23	6	25	33	39	47	55
H711 - Truck drivers											
Demand forecast	44,550	44,980	45,769	46,777	47,738	48,428	49,093	49,525	50,159	50,565	51,024
Labour Supply forecast	48,204	49,017	49,150	49,571	50,128	50,729	51,333	51,994	52,765	53,455	54,173
Cumulative Shortage*		-382	273	860	1,265	1,353	1,414	1,185	1,049	765	505
H712 - Bus drivers, subway operators and other transit operators											
Demand forecast	13,596	13,797	14,004	14,284	14,538	14,715	14,897	15,011	15,158	15,261	15,369
Labour Supply forecast	14,001	13,984	14,061	14,181	14,350	14,534	14,719	14,921	15,156	15,371	15,590
Cumulative Shortage*		218	348	508	592	586	582	494	406	294	184
H713 - Taxi and limousine drivers and chauffeurs											
Demand forecast	6,302	6,414	6,544	6,703	6,853	6,965	7,076	7,146	7,251	7,319	7,391
Labour Supply forecast	6,301	6,293	6,327	6,382	6,458	6,540	6,624	6,715	6,820	6,917	7,016
Cumulative Shortage*		119	215	320	394	424	451	430	429	400	374
H714 - Delivery and courier service drivers											
Demand forecast	9,301	9,405	9,589	9,821	10,041	10,226	10,382	10,504	10,648	10,765	10,890
Labour Supply forecast	9,701	9,689	9,742	9,826	9,943	10,070	10,198	10,338	10,501	10,650	10,802
Cumulative Shortage*		116	247	395	499	556	583	566	547	515	488
H812 - Material handlers											
Demand forecast	22,066	22,232	22,678	23,193	23,704	24,104	24,443	24,705	25,020	25,256	25,545
Labour Supply forecast	23,202	23,023	22,993	23,041	23,163	23,305	23,446	23,610	23,823	23,998	24,179
Cumulative Shortage*		345	820	1,287	1,677	1,934	2,133	2,231	2,332	2,394	2,501

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
H821 - Construction trades helpers and labourers											
Demand forecast	21,094	19,949	19,896	20,290	20,876	21,302	21,634	21,896	22,130	22,377	22,570
Labour Supply forecast	24,902	24,735	24,741	24,828	24,999	25,195	25,394	25,623	25,910	26,159	26,413
Cumulative Shortage*		-977	-1,036	-729	-315	-84	49	82	29	27	-34
H822 - Other trades helpers and labourers **											
Demand forecast	2,497	2,449	2,474	2,524	2,581	2,628	2,664	2,694	2,724	2,752	2,780
Labour Supply forecast	2,500	2,484	2,484	2,493	2,510	2,530	2,550	2,573	2,602	2,627	2,652
Cumulative Shortage*		-32	-7	34	74	101	117	124	126	129	132
H831 - Public works and maintenance labourers **											
Demand forecast	2,897	2,879	2,864	2,887	2,907	2,923	2,936	2,967	2,973	3,004	3,035
Labour Supply forecast	2,900	2,876	2,872	2,877	2,893	2,911	2,929	2,950	2,978	3,001	3,024
Cumulative Shortage*		6	-5	12	17	15	9	19	-2	5	13
I011 - Farmers and farm managers											
Demand forecast	37,499	37,713	38,038	38,532	38,950	39,310	39,714	40,234	40,761	41,259	41,891
Labour Supply forecast	37,603	37,418	37,484	37,674	37,983	38,324	38,662	39,032	39,480	39,864	40,250
Cumulative Shortage*		399	658	962	1,071	1,089	1,156	1,307	1,385	1,499	1,745
I015 - Landscaping and grounds maintenance contractors and managers **											
Demand forecast	3,600	3,613	3,670	3,749	3,822	3,885	3,936	3,980	4,017	4,059	4,103
Labour Supply forecast	3,820	3,801	3,808	3,827	3,859	3,894	3,928	3,965	4,011	4,050	4,089
Cumulative Shortage*		32	83	142	184	212	229	235	226	230	235
I021 - General farm workers											
Demand forecast	15,657	15,786	15,974	16,182	16,362	16,521	16,699	16,916	17,166	17,373	17,644
Labour Supply forecast	16,101	15,926	15,881	15,897	15,976	16,077	16,186	16,320	16,500	16,657	16,813
Cumulative Shortage*		305	537	730	830	888	958	1,040	1,110	1,160	1,276
I122 - Supervisors, oil and gas drilling and service											
Demand forecast	14,621	14,702	14,851	15,021	15,170	15,306	15,477	15,694	15,948	16,158	16,431
Labour Supply forecast	16,101	16,193	16,285	16,424	16,609	16,806	16,998	17,200	17,433	17,636	17,843
Cumulative Shortage*		-11	46	76	41	-20	-41	-26	-5	2	68
I132 - Oil and gas well drillers, servicers, testers and related workers											
Demand forecast	21,956	22,165	22,366	22,551	22,693	22,839	23,071	23,415	23,836	24,171	24,626
Labour Supply forecast	24,002	24,214	24,298	24,473	24,713	24,968	25,218	25,487	25,802	26,073	26,355
Cumulative Shortage*		-2	114	124	27	-83	-100	-25	81	145	318
I142 - Oil and gas well drilling workers and services operators											
Demand forecast	6,183	6,245	6,302	6,354	6,394	6,436	6,503	6,601	6,721	6,817	6,947
Labour Supply forecast	7,001	7,070	7,079	7,106	7,159	7,213	7,266	7,330	7,407	7,472	7,539
Cumulative Shortage*		-8	40	66	53	40	54	88	132	162	225
I212 - Landscaping and grounds maintenance labourers											
Demand forecast	9,043	9,093	9,228	9,426	9,605	9,760	9,894	10,009	10,111	10,222	10,337
Labour Supply forecast	10,346	10,306	10,336	10,400	10,498	10,607	10,715	10,836	10,981	11,111	11,243
Cumulative Shortage*		90	194	328	409	456	481	475	432	414	397
I215 - Oil and gas drilling, servicing and related labourers											
Demand forecast	4,534	4,549	4,591	4,642	4,689	4,729	4,781	4,847	4,926	4,988	5,070
Labour Supply forecast	5,645	5,674	5,690	5,725	5,779	5,838	5,897	5,963	6,042	6,113	6,185
Cumulative Shortage*		-13	12	28	22	3	-4	-5	-5	-13	-3
J012 - Supervisors, petroleum, gas and chemical processing and utilities **											
Demand forecast	2,996	3,004	3,071	3,105	3,135	3,187	3,205	3,229	3,255	3,273	3,303
Labour Supply forecast	3,000	2,998	3,011	3,033	3,063	3,095	3,125	3,156	3,193	3,223	3,254
Cumulative Shortage*		9	64	76	76	97	84	77	66	53	53

Occupational forecasts	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
J026 - Supervisors, other mechanical and metal products manufacturing **											
Demand forecast	3,059	3,085	3,182	3,248	3,309	3,331	3,331	3,332	3,329	3,308	3,309
Labour Supply forecast	3,100	3,089	3,092	3,103	3,121	3,141	3,159	3,179	3,204	3,223	3,243
Cumulative Shortage*		38	132	187	229	232	214	195	167	126	108
J112 - Petroleum, gas and chemical process operators**											
Demand forecast	5,985	6,035	6,126	6,198	6,258	6,316	6,371	6,443	6,531	6,595	6,688
Labour Supply forecast	6,000	6,009	6,041	6,090	6,153	6,219	6,280	6,343	6,413	6,472	6,531
Cumulative Shortage*		41	100	123	120	113	106	116	133	138	172
J171 - Process control and machine operators, food and beverage processing **											
Demand forecast	3,298	3,326	3,426	3,499	3,564	3,589	3,591	3,594	3,593	3,575	3,580
Labour Supply forecast	3,400	3,375	3,373	3,383	3,404	3,428	3,452	3,479	3,514	3,542	3,571
Cumulative Shortage*		54	156	219	262	263	242	218	182	135	111
J172 - Industrial butchers and meat cutters, poultry preparers and related workers **											
Demand forecast	3,795	3,827	3,946	4,032	4,107	4,134	4,134	4,135	4,131	4,107	4,109
Labour Supply forecast	4,100	4,069	4,067	4,079	4,105	4,134	4,163	4,195	4,237	4,272	4,306
Cumulative Shortage*		63	184	258	308	306	277	246	200	140	108
J228 - Other assemblers and inspectors **											
Demand forecast	1,978	1,979	2,029	2,071	2,112	2,132	2,141	2,149	2,155	2,153	2,162
Labour Supply forecast	2,000	1,985	1,984	1,989	2,001	2,015	2,028	2,044	2,064	2,081	2,098
Cumulative Shortage*		17	68	104	133	140	135	128	114	95	87
J312 - Labourers in metal fabrication **											
Demand forecast	2,999	3,009	3,093	3,156	3,216	3,239	3,241	3,242	3,240	3,222	3,224
Labour Supply forecast	3,300	3,273	3,268	3,275	3,292	3,312	3,333	3,357	3,388	3,415	3,441
Cumulative Shortage*		38	126	184	226	228	209	187	153	110	84
J317 - Labourers in food, beverage and tobacco processing **											
Demand forecast	3,998	4,030	4,151	4,241	4,323	4,359	4,368	4,377	4,382	4,367	4,378
Labour Supply forecast	4,201	4,165	4,159	4,168	4,190	4,216	4,242	4,273	4,313	4,346	4,380
Cumulative Shortage*		68	194	276	335	345	329	307	272	224	201
J319 - Other labourers in processing, manufacturing and utilities **											
Demand forecast	2,799	2,814	2,883	2,945	3,003	3,038	3,058	3,075	3,090	3,096	3,115
Labour Supply forecast	2,903	2,878	2,874	2,880	2,895	2,913	2,931	2,953	2,980	3,003	3,026
Cumulative Shortage*		39	112	168	211	228	230	226	213	196	192

* Supply shortage if positive, supply surplus if negative. The cumulative shortages are calculated using 2012 as the base year.

** Historical data has a coefficient of variation > 16.5 and < 33.3% and should be used with caution.

*** Not elsewhere classified.

www.work.alberta.ca/demand-supply-forecast

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